

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
 Data File : BF121802.D
 Acq On : 2 Oct 2020 19:18
 Operator : JU/CG
 Sample : L4213-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-16(7-9)

Quant Time: Oct 03 00:17:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

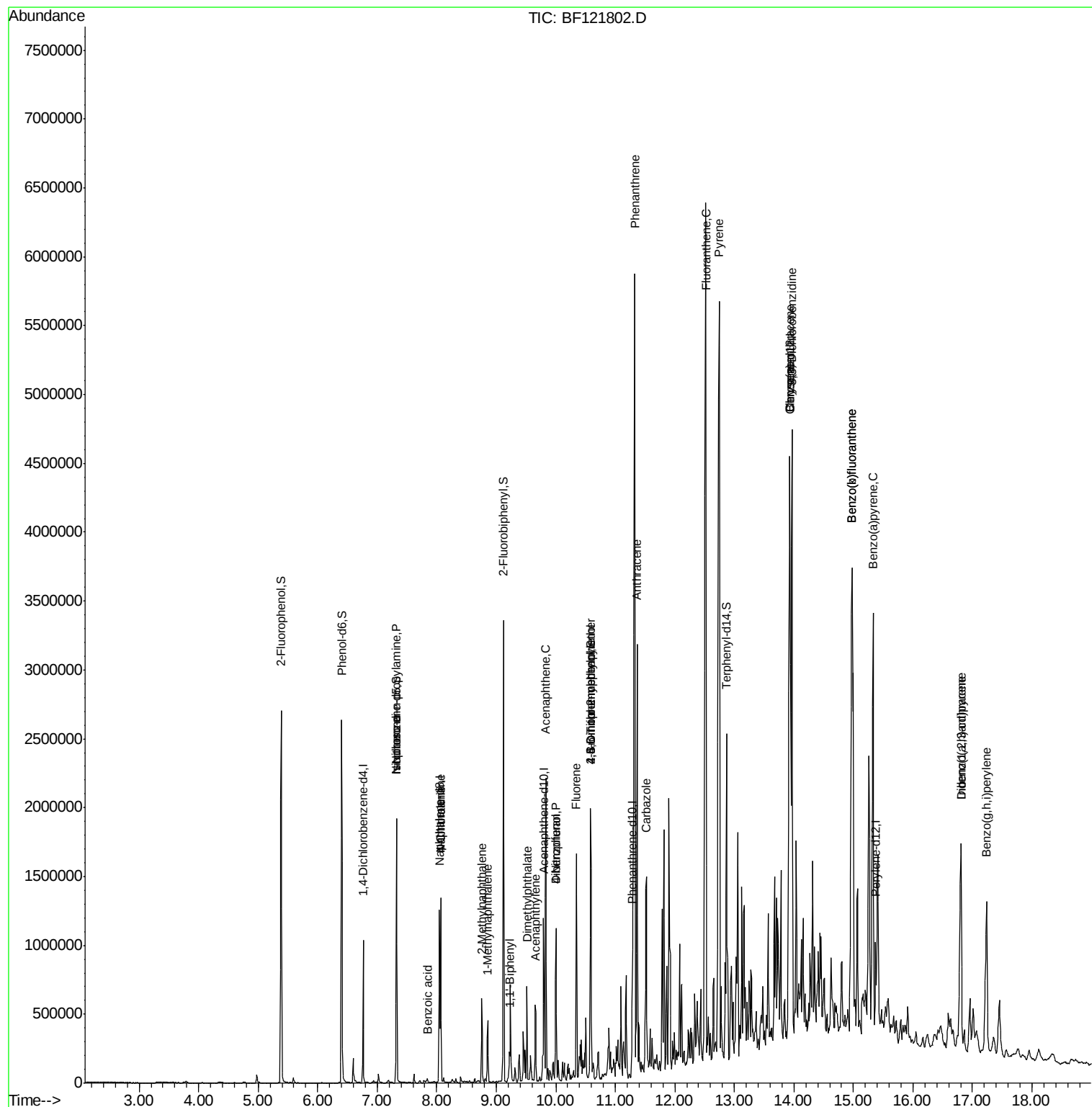
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	133795	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	490110	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	227207	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	348636	20.00	ng	0.00
76) Chrysene-d12	13.94	240	238496	20.00	ng	0.00
86) Perylene-d12	15.37	264	253917	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	725321	80.56	ng	0.00
7) Phenol-d6	6.40	99	911236	77.15	ng	-0.01
23) Nitrobenzene-d5	7.33	82	607452	66.55	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	195081	69.08	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	996549	66.43	ng	-0.01
79) Terphenyl-d14	12.87	244	769460	65.36	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	80060	11.761	ng	Qvalue # 80
25) Isophorone	7.33	82	607445	33.058	ng	# 67
31) Naphthalene	8.07	128	545788	21.096	ng	100
32) Benzoic acid	7.84	122	6304	7.817	ng	# 13
33) 4-Chloroaniline	8.07	127	71743	6.397	ng	# 34
37) 2-Methylnaphthalene	8.76	142	144438	8.519	ng	98
38) 1-Methylnaphthalene	8.86	142	114371	7.248	ng	97
46) 1,1'-Biphenyl	9.22	154	52666	2.895	ng	96
49) Acenaphthylene	9.66	152	201246	9.138	ng	99
50) Dimethylphthalate	9.52	163	233830	14.199	ng	99
52) Acenaphthene	9.83	154	406915	29.253	ng	99
55) Dibenzofuran	10.00	168	353283	18.035	ng	97
56) 4-Nitrophenol	10.00	139	130726	40.347	ng	# 12
58) Fluorene	10.35	166	453176	30.251	ng	99
65) 4,6-Dinitro-2-methylphenol	10.59	198	497	7.051	ng	# 1
67) 4-Bromophenyl-phenylether	10.59	248	11371	2.865	ng	# 1
71) Phenanthrene	11.33	178	3275864	172.458	ng	97
72) Anthracene	11.37	178	1125095	57.396	ng	100
73) Carbazole	11.52	167	559422	31.625	ng	99
75) Fluoranthene	12.52	202	4082274	201.324	ng	96
78) Pyrene	12.75	202	3434904	197.122	ng	97
81) Benzo(a)anthracene	13.93	228	2340754	155.136	ng	96
82) 3,3'-Dichlorobenzidine	13.96	252	12251	2.080	ng	# 1
83) Chrysene	13.93	228	2340754	153.201	ng	98
87) Indeno(1,2,3-cd)pyrene	16.81	276	1106701	66.927	ng	95
88) Benzo(b)fluoranthene	14.97	252	3325661	195.920	ng	98
89) Benzo(k)fluoranthene	14.97	252	3325661	213.946	ng	97
90) Benzo(a)pyrene	15.33	252	1767668	122.508	ng	96
91) Dibenzo(a,h)anthracene	16.81	278	285677	20.754	ng	93
92) Benzo(g,h,i)perylene	17.24	276	954658	70.555	ng	99

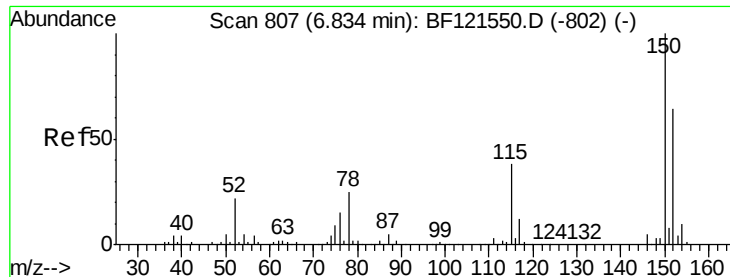
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121802.D
Acq On : 2 Oct 2020 19:18
Operator : JU/CG
Sample : L4213-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-16(7-9)

Quant Time: Oct 03 00:17:23 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration



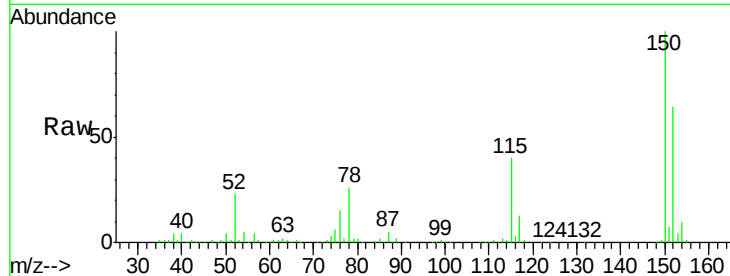


#1

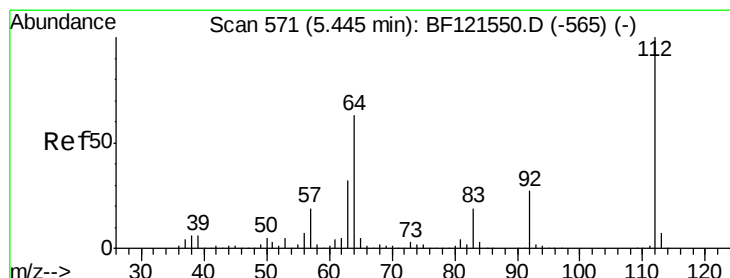
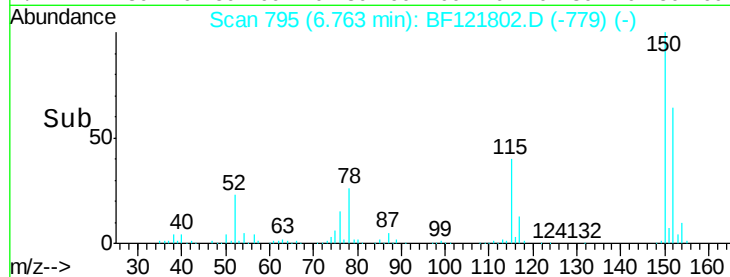
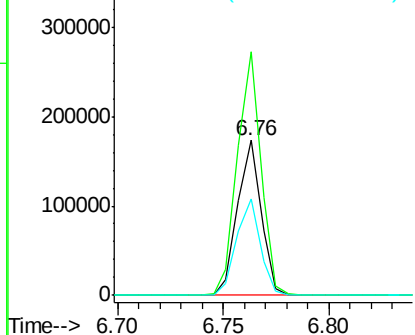
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121802.D
Acq: 2 Oct 2020 19:18

Instrument :
BNA_F
ClientSampleId :
B-16(7-9)

Tot Ion:152 Resp: 133795
Ion Ratio Lower Upper
152 100
150 157.2 125.3 187.9
115 62.2 51.9 77.9



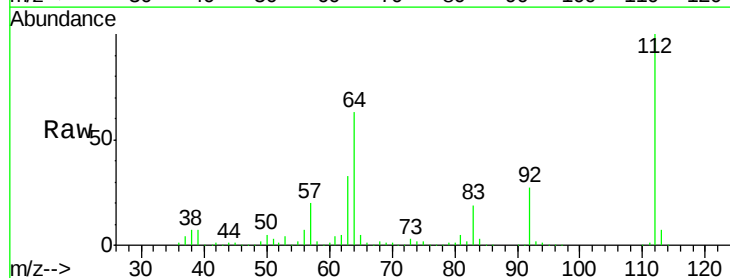
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



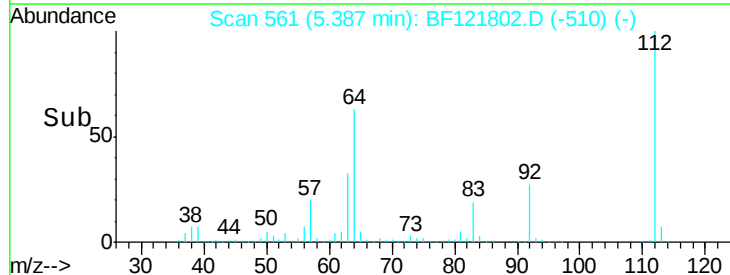
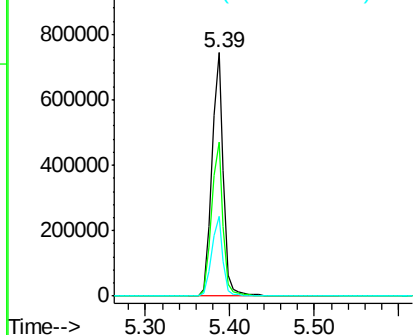
#5

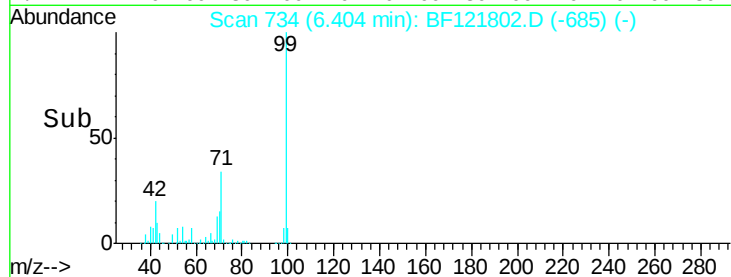
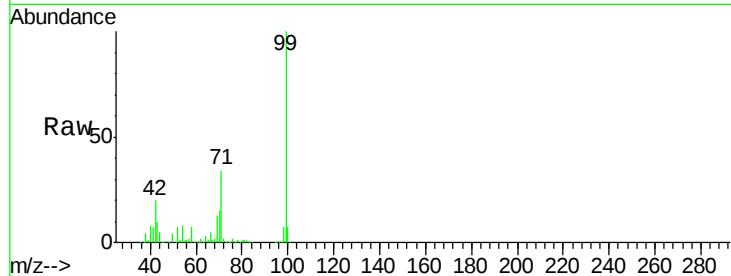
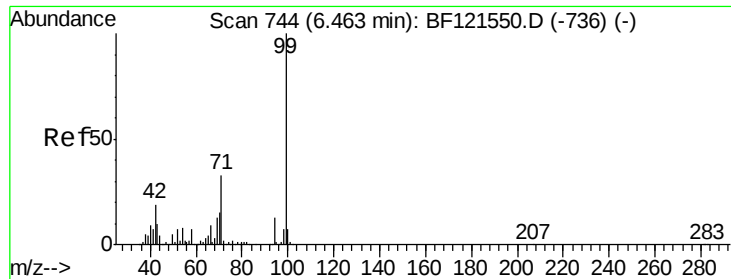
2-Fluorophenol
Concen: 80.565 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121802.D
Acq: 2 Oct 2020 19:18

Tgt Ion:112 Resp: 725321
Ion Ratio Lower Upper
112 100
64 63.2 50.4 75.6
63 32.5 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 77.149 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121802.D

Acq: 2 Oct 2020 19:18

Instrument :

BNA_F

ClientSampleId :

B-16(7-9)

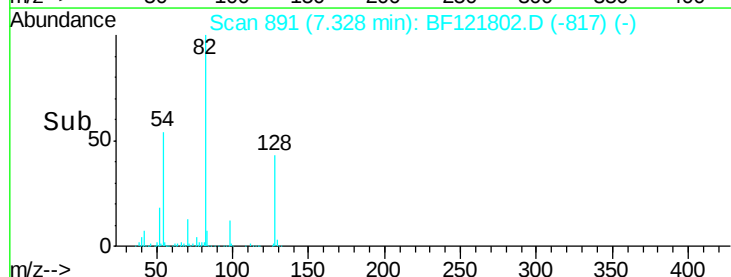
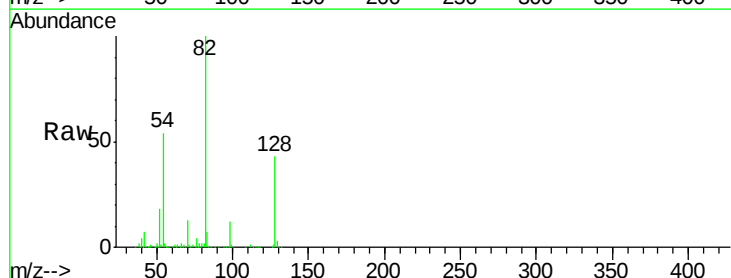
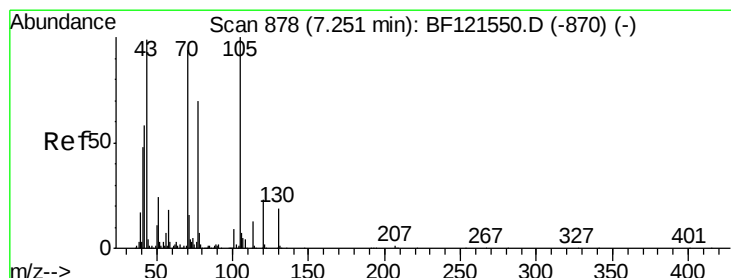
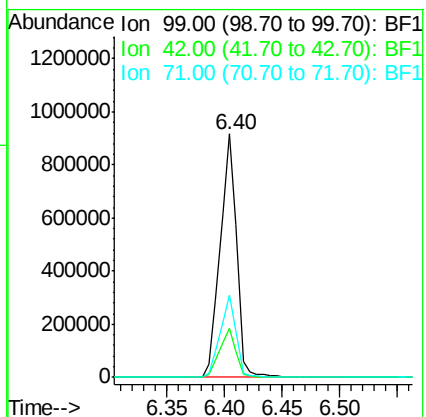
Tot Ion: 99 Resp: 911236

Ion Ratio Lower Upper

99 100

42 20.4 15.9 23.9

71 33.9 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.761 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121802.D

Acq: 2 Oct 2020 19:18

Tgt Ion: 70 Resp: 80060

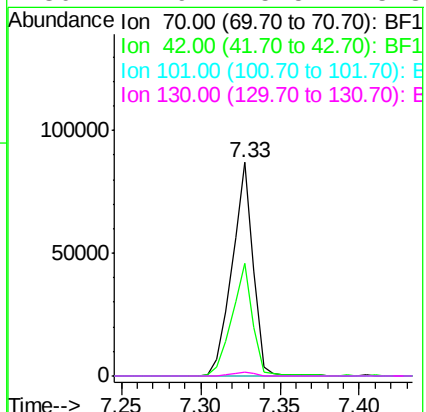
Ion Ratio Lower Upper

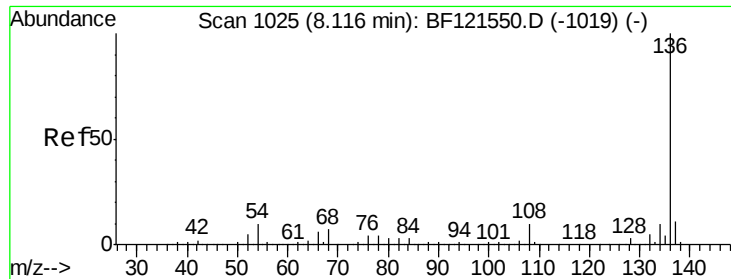
70 100

42 52.7 50.2 75.4

101 0.0 7.5 11.3#

130 1.9 15.5 23.3#

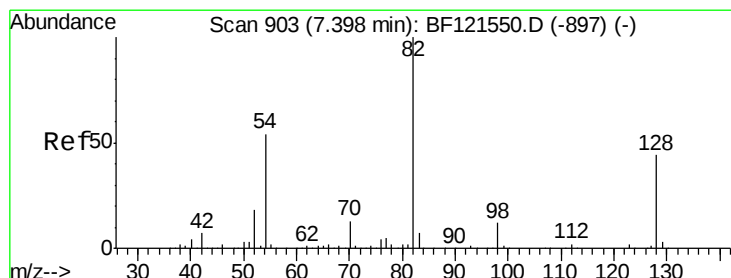
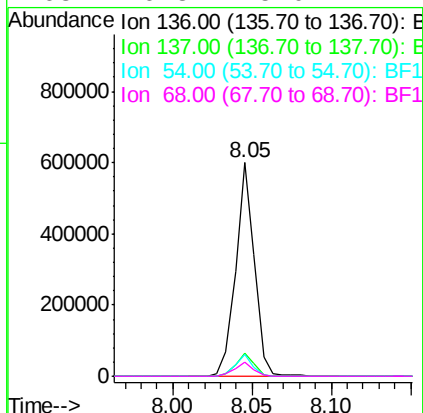
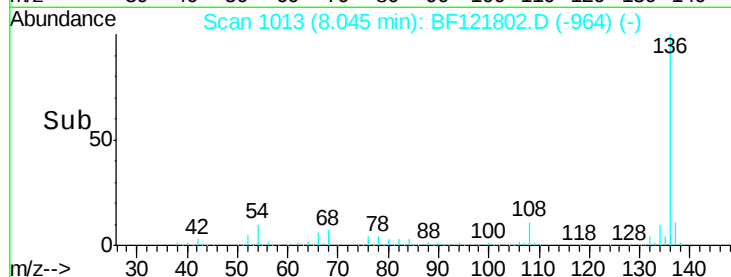
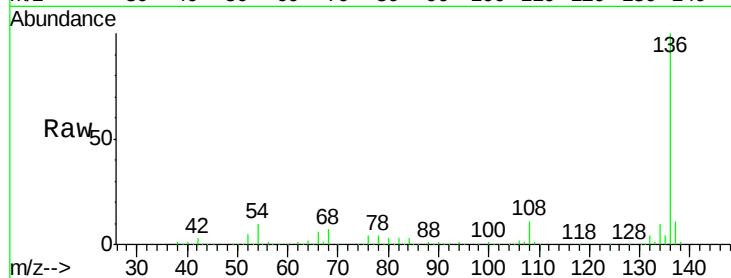




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121802.D
Acq: 2 Oct 2020 19:18

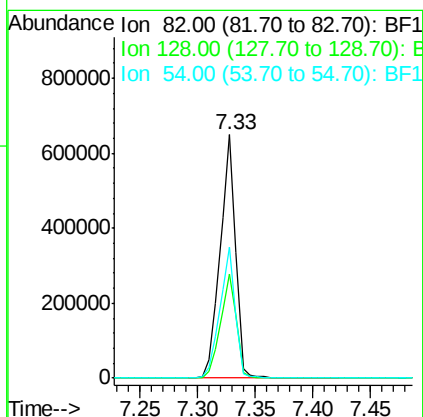
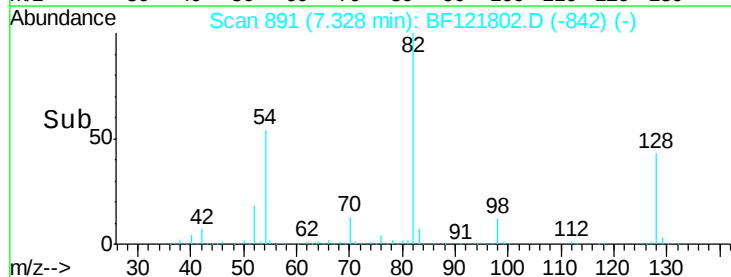
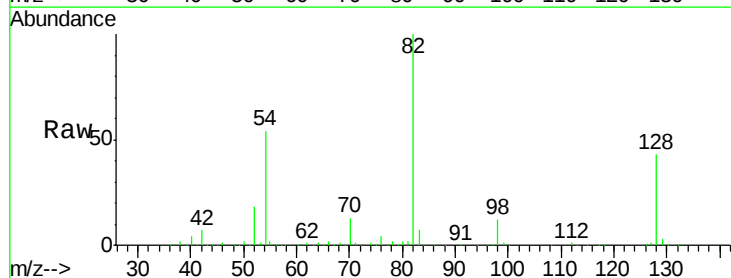
Instrument :
BNA_F
ClientSampleId :
B-16(7-9)

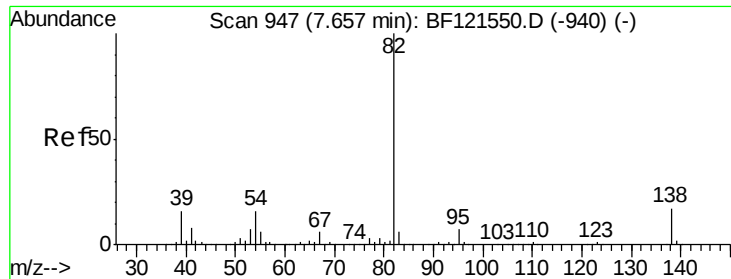
Tot Ion:136	Resp:	490110
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.6 13.0
54	9.9	7.1 10.7
68	6.8	5.0 7.4



#23
Nitrobenzene-d5
Concen: 66.547 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121802.D
Acq: 2 Oct 2020 19:18

Tgt Ion: 82	Resp:	607452
Ion	Ratio	Lower Upper
82	100	
128	42.8	35.0 52.4
54	54.0	43.9 65.9





#25

Isophorone

Concen: 33.058 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF121802.D

Acq: 2 Oct 2020 19:18

Instrument :

BNA_F

ClientSampleId :

B-16(7-9)

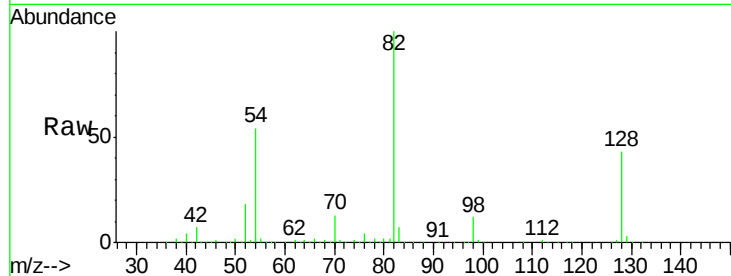
Tot Ion: 82 Resp: 607445

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

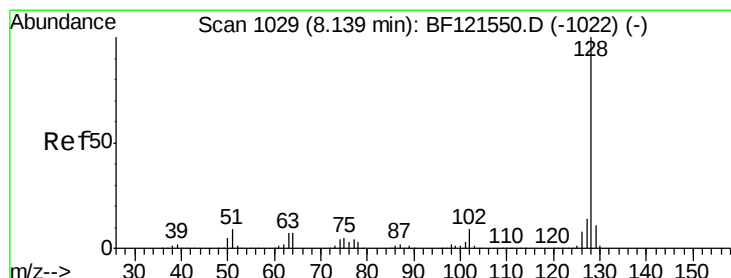
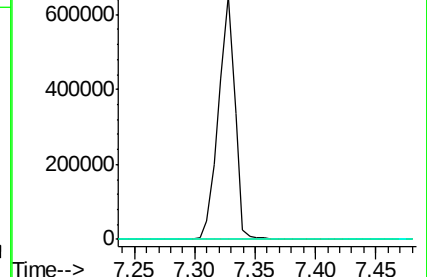
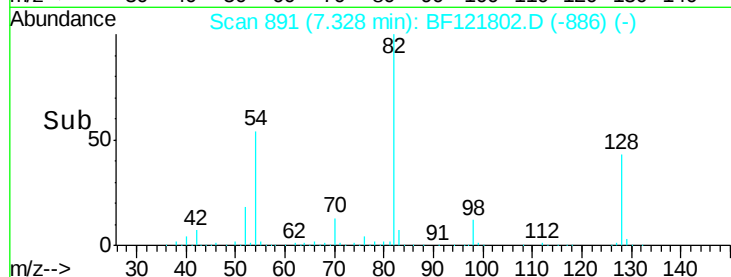
138 0.0 13.4 20.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 21.096 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF121802.D

Acq: 2 Oct 2020 19:18

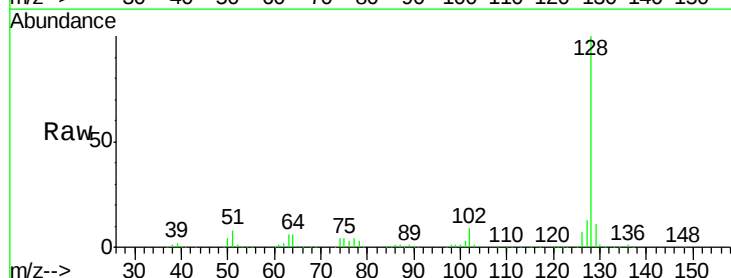
Tgt Ion:128 Resp: 545788

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

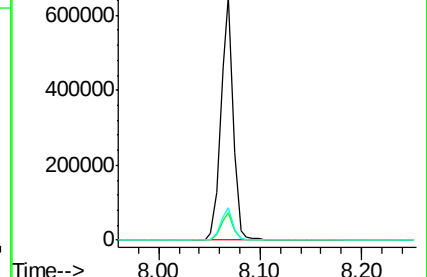
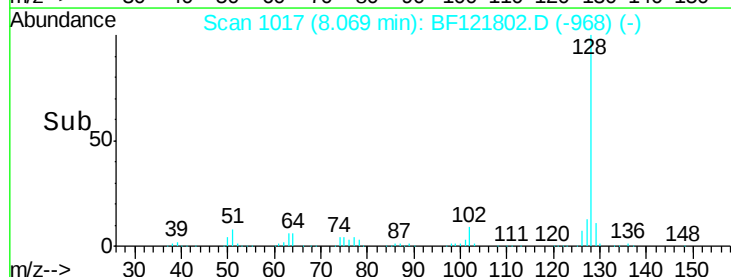
127 13.4 10.8 16.2

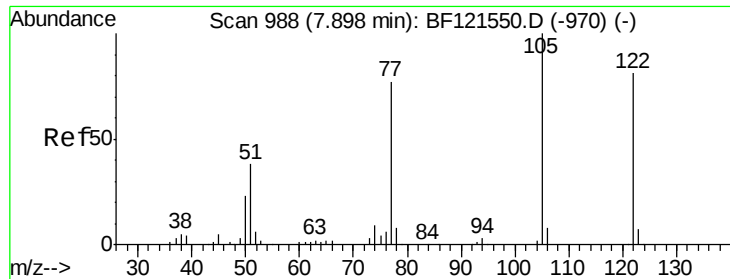


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

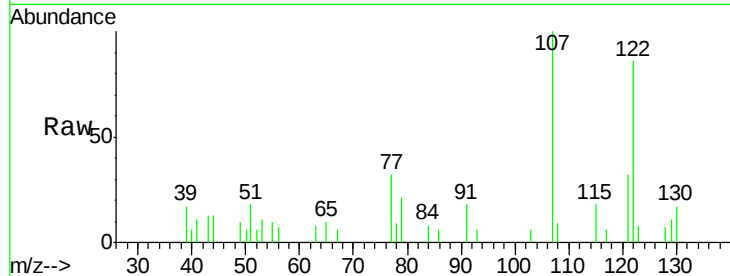




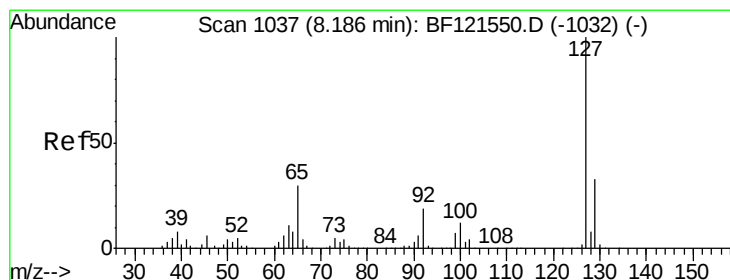
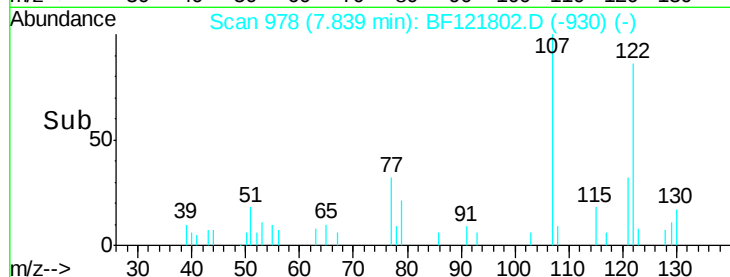
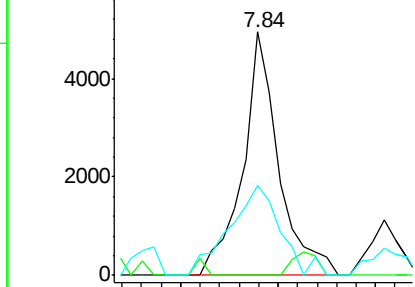
#32
Benzoic acid
Concen: 7.817 ng
RT: 7.84 min Scan# 978
Delta R.T. -0.02 min
Lab File: BF121802.D
Acq: 2 Oct 2020 19:18

Instrument :
BNA_F
ClientSampleId :
B-16(7-9)

Tot Ion:122 Resp: 6304
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 37.1 73.9 113.9#

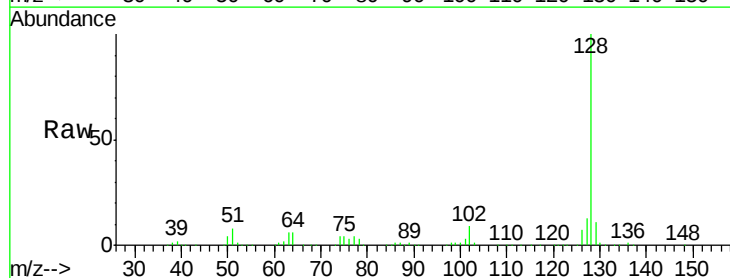


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

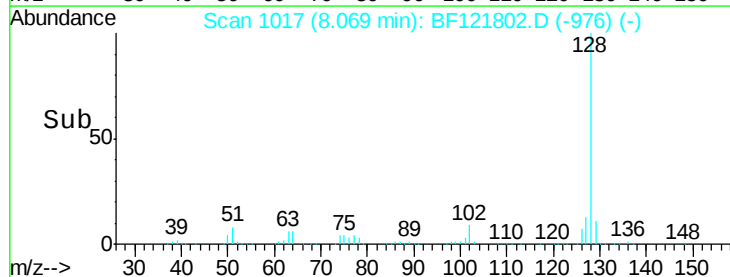
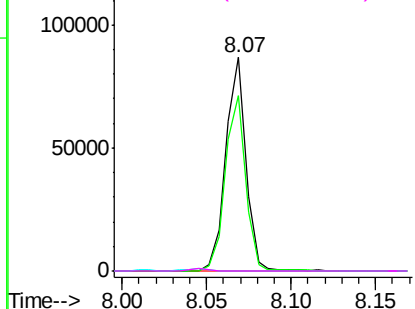


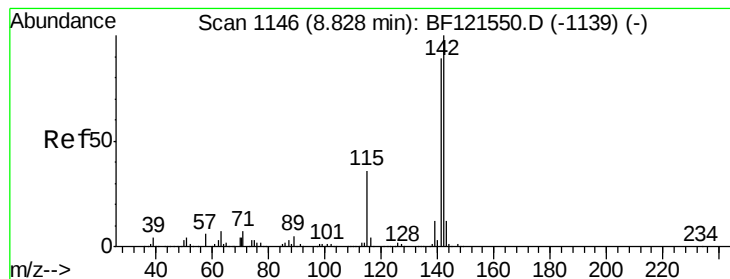
#33
4-Chloroaniline
Concen: 6.397 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.06 min
Lab File: BF121802.D
Acq: 2 Oct 2020 19:18

Tgt Ion:127 Resp: 71743
Ion Ratio Lower Upper
127 100
129 82.4 26.3 39.5#
65 0.0 26.2 39.2#
92 0.0 15.9 23.9#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1





#37

2-Methylnaphthalene

Concen: 8.519 ng

RT: 8.76 min Scan# 1134

Delta R.T. -0.01 min

Lab File: BF121802.D

Acq: 2 Oct 2020 19:18

Instrument :

BNA_F

ClientSampleId :

B-16(7-9)

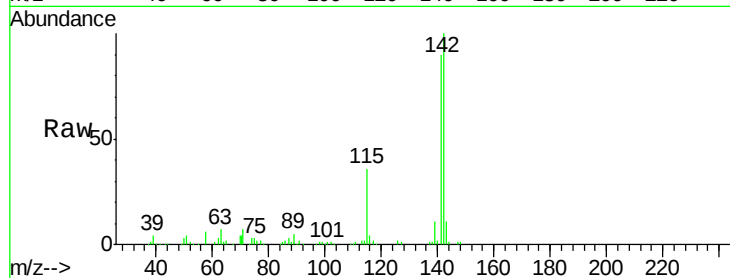
Tot Ion:142 Resp: 144438

Ion Ratio Lower Upper

142 100

141 89.9 70.2 105.4

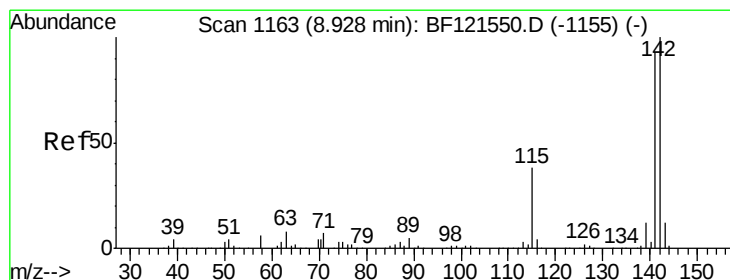
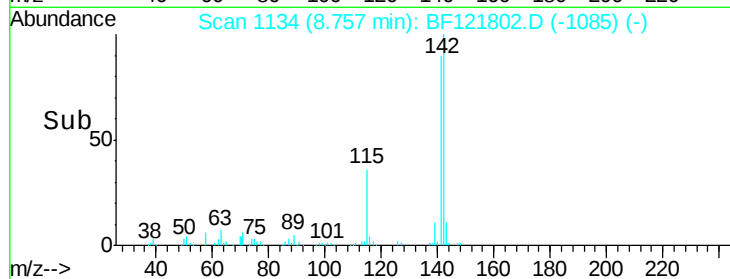
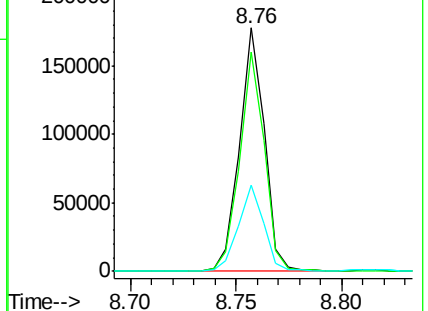
115 35.6 28.6 43.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 7.248 ng

RT: 8.86 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF121802.D

Acq: 2 Oct 2020 19:18

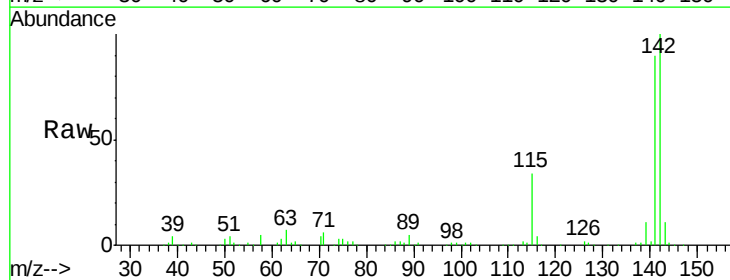
Tgt Ion:142 Resp: 114371

Ion Ratio Lower Upper

142 100

141 90.2 74.5 111.7

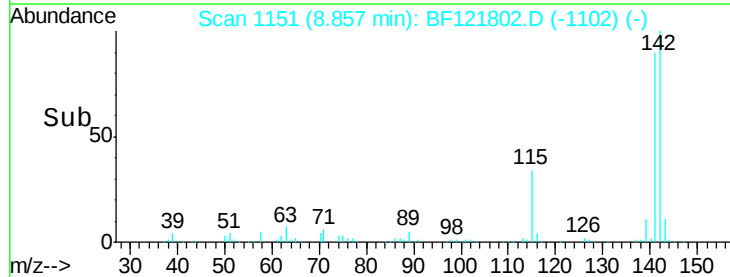
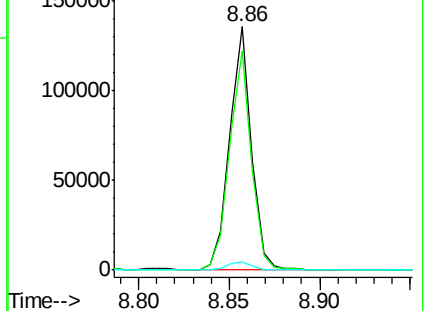
116 3.6 3.2 4.8

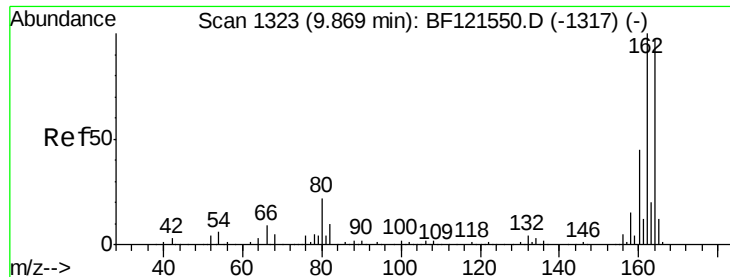


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

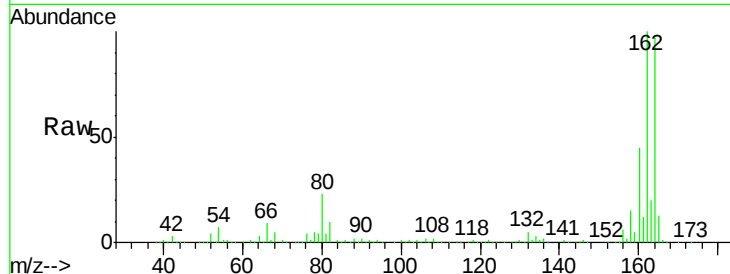




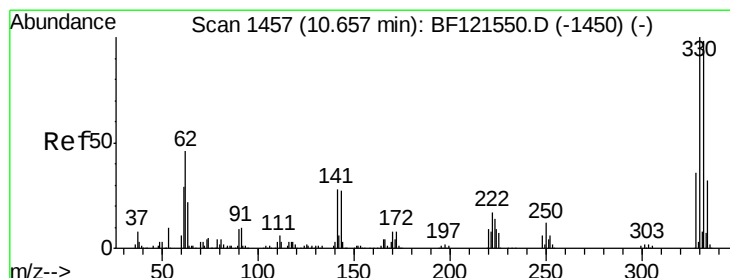
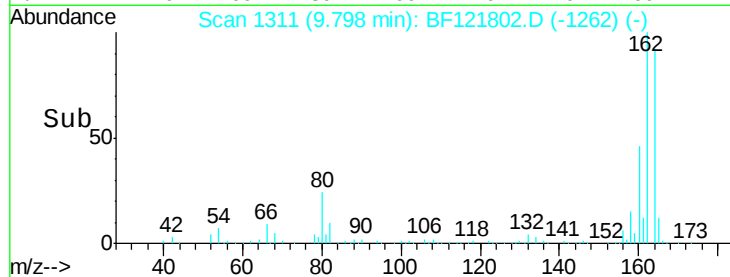
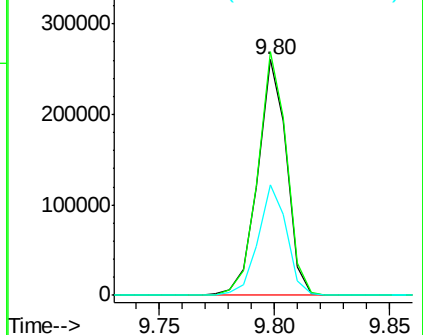
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121802.D
Acq: 2 Oct 2020 19:18

Instrument :
BNA_F
ClientSampleId :
B-16(7-9)

Tot Ion:164 Resp: 227207
Ion Ratio Lower Upper
164 100
162 103.3 83.2 124.8
160 46.8 37.5 56.3

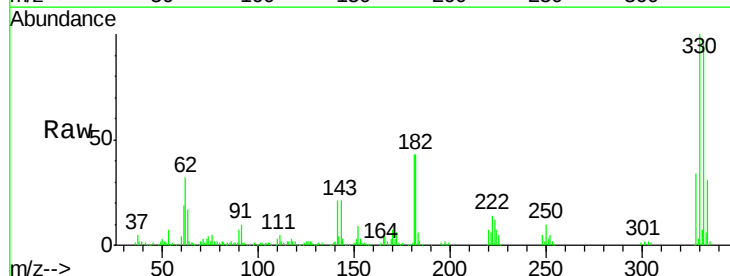


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

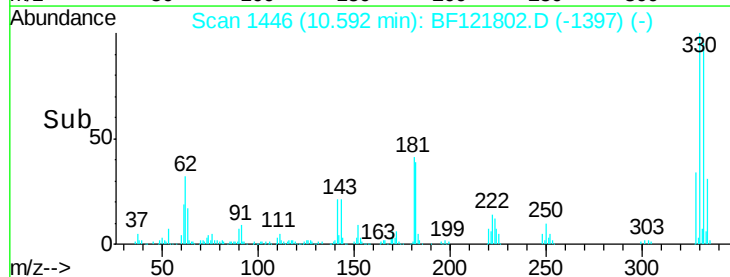
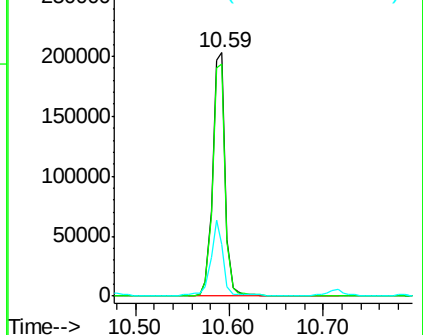


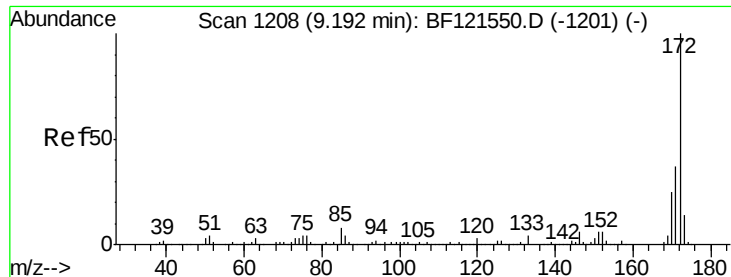
#42
2,4,6-Tribromophenol
Concen: 69.083 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.01 min
Lab File: BF121802.D
Acq: 2 Oct 2020 19:18

Tgt Ion:330 Resp: 195081
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 29.6 22.3 33.5



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

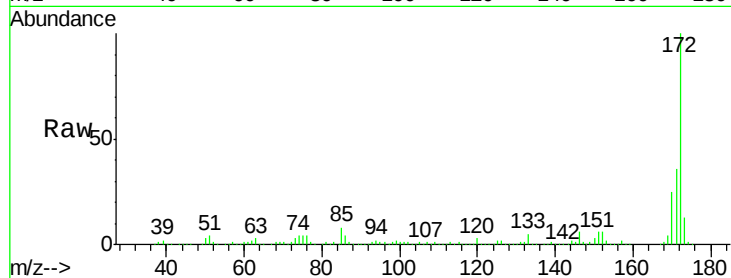




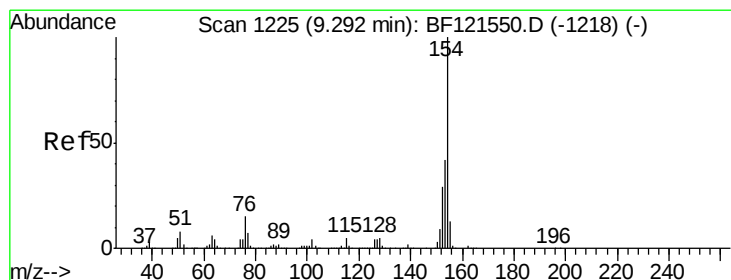
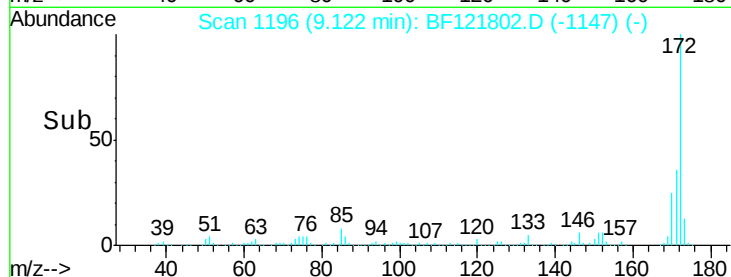
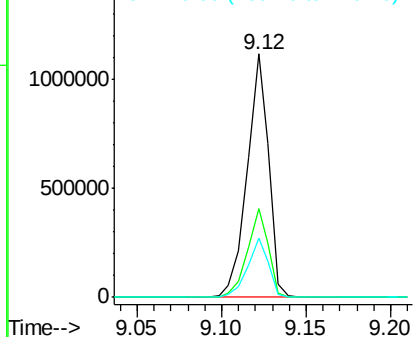
#45
2-Fluorobiphenyl
Concen: 66.429 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF121802.D
Acq: 2 Oct 2020 19:18

Instrument :
BNA_F
ClientSampled :
B-16(7-9)

Tot Ion:172 Resp: 996549
Ion Ratio Lower Upper
172 100
171 36.4 29.1 43.7
170 24.6 19.8 29.6

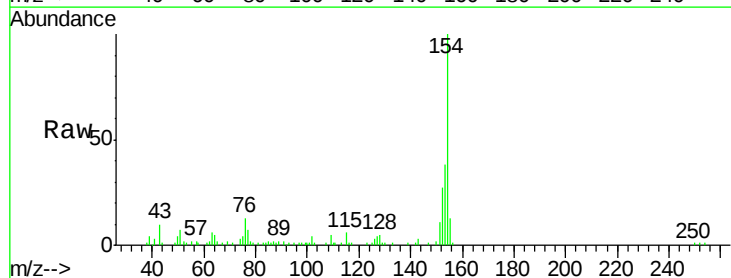


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

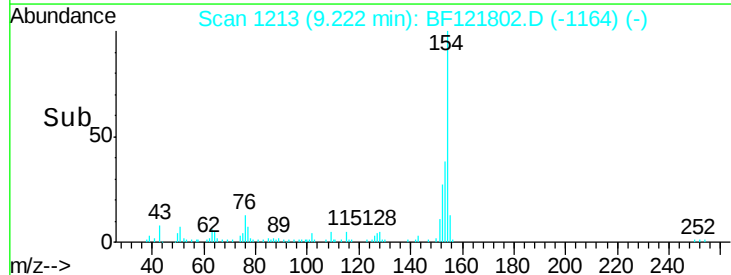
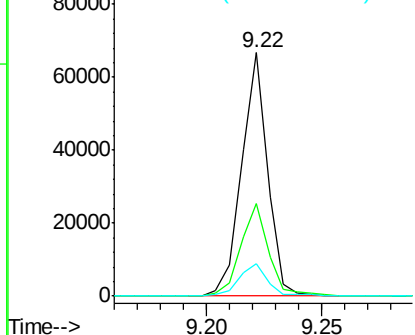


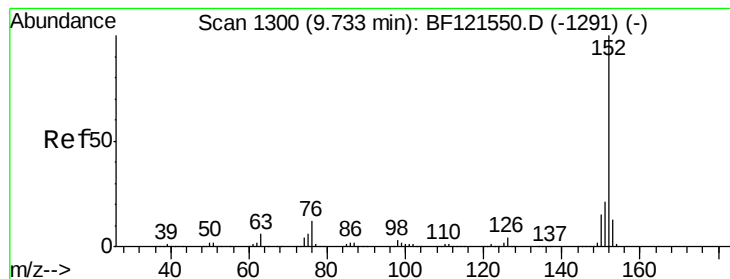
#46
1,1'-Biphenyl
Concen: 2.895 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF121802.D
Acq: 2 Oct 2020 19:18

Tgt Ion:154 Resp: 52666
Ion Ratio Lower Upper
154 100
153 38.3 21.3 61.3
76 13.3 0.0 34.7



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#49

Acenaphthylene

Concen: 9.138 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BF121802.D

Acq: 2 Oct 2020 19:18

Instrument :

BNA_F

ClientSampleId :

B-16(7-9)

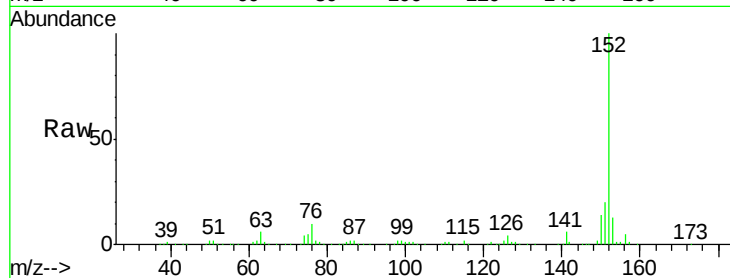
Tot Ion:152 Resp: 201246

Ion Ratio Lower Upper

152 100

151 20.1 16.4 24.6

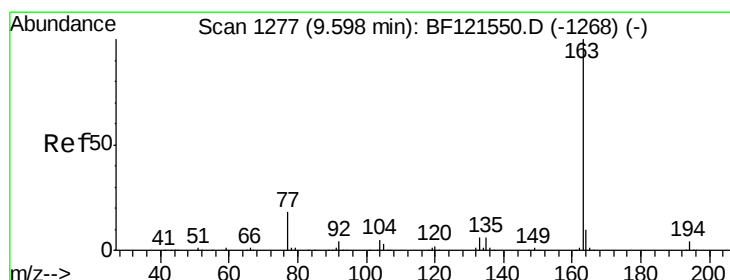
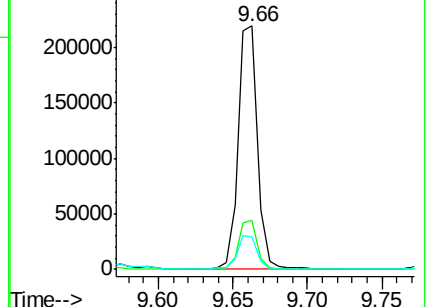
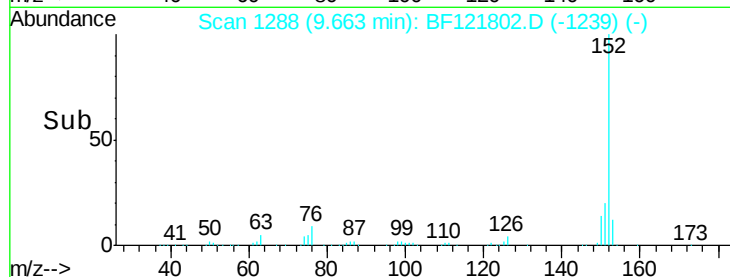
153 13.3 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 14.199 ng

RT: 9.52 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF121802.D

Acq: 2 Oct 2020 19:18

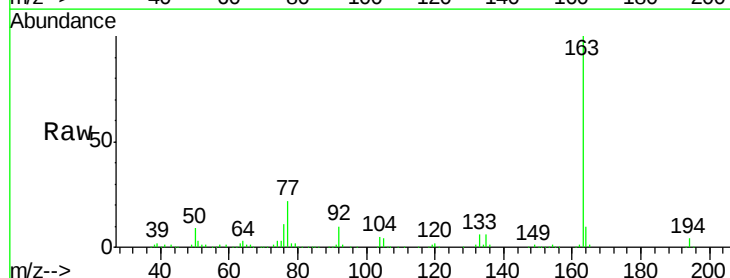
Tgt Ion:163 Resp: 233830

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

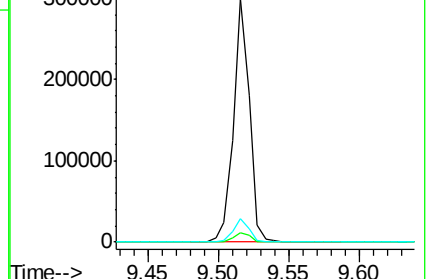
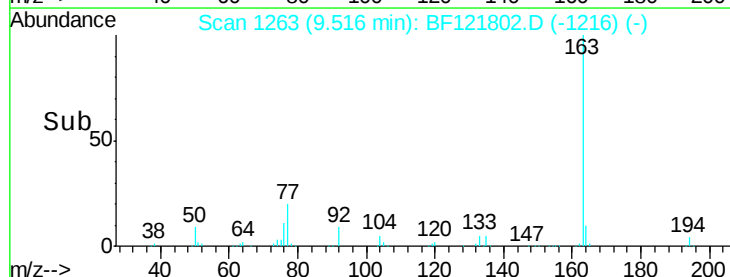
164 9.7 8.2 12.4

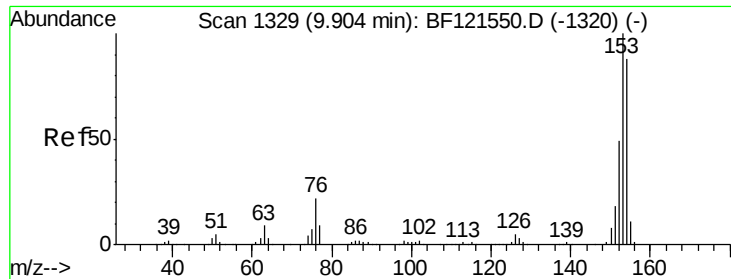


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 29.253 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF121802.D

Acq: 2 Oct 2020 19:18

Instrument :

BNA_F

ClientSampleId :

B-16(7-9)

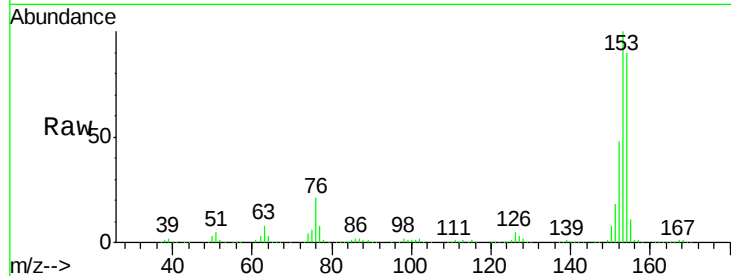
Tot Ion:154 Resp: 406915

Ion Ratio Lower Upper

154 100

153 111.5 89.8 134.8

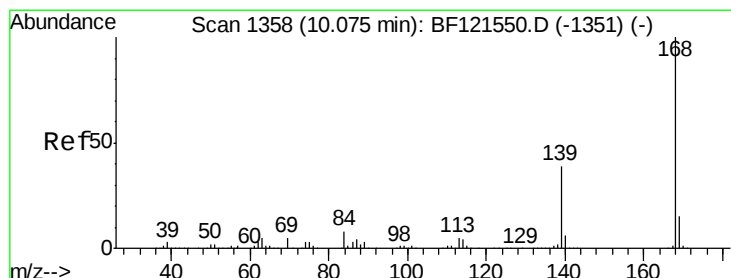
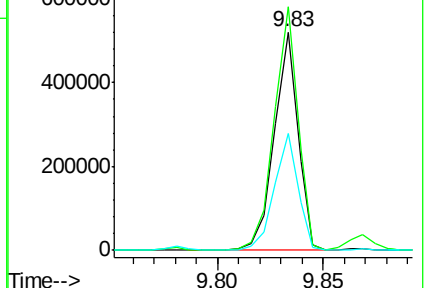
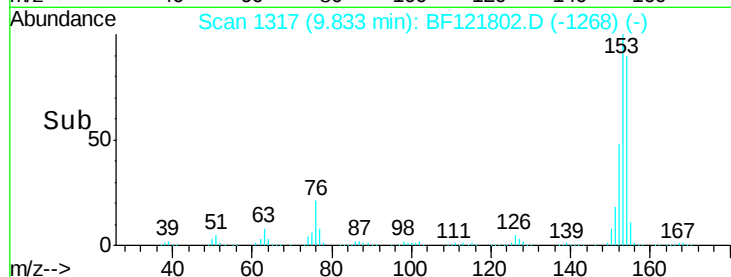
152 53.7 43.2 64.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 18.035 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BF121802.D

Acq: 2 Oct 2020 19:18

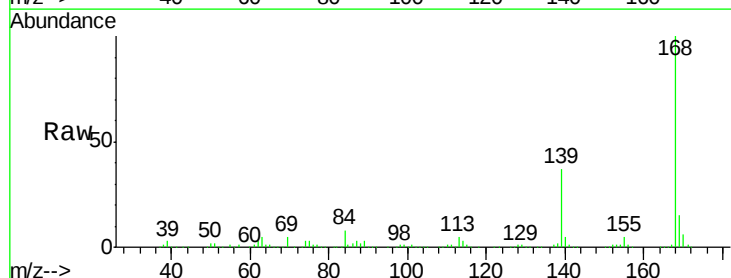
Tgt Ion:168 Resp: 353283

Ion Ratio Lower Upper

168 100

139 37.0 31.0 46.6

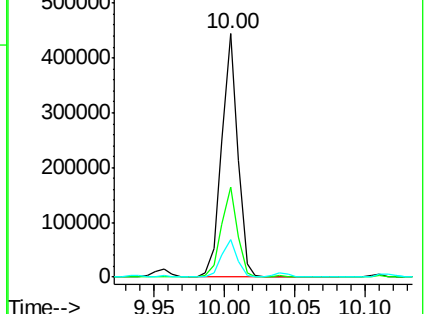
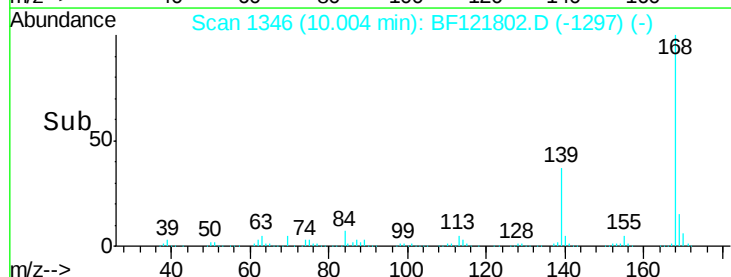
169 15.2 11.3 16.9

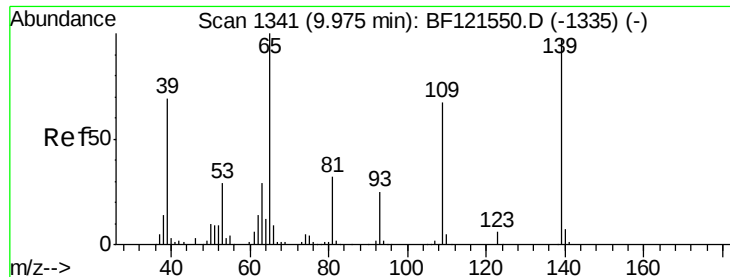


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 40.347 ng

RT: 10.00 min Scan# 1346

Delta R.T. 0.06 min

Lab File: BF121802.D

Acq: 2 Oct 2020 19:18

Instrument :

BNA_F

ClientSampleId :

B-16(7-9)

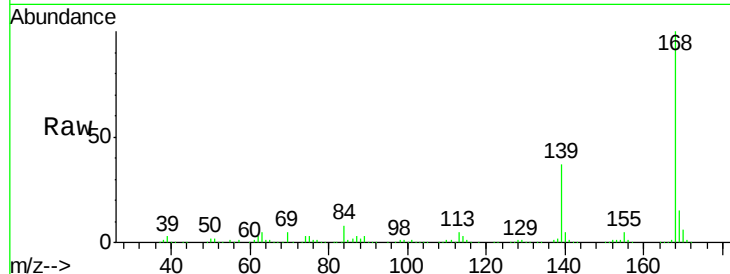
Tot Ion:139 Resp: 130726

Ion Ratio Lower Upper

139 100

109 1.0 45.4 85.4#

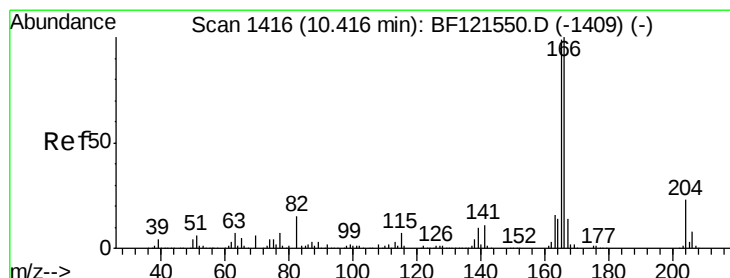
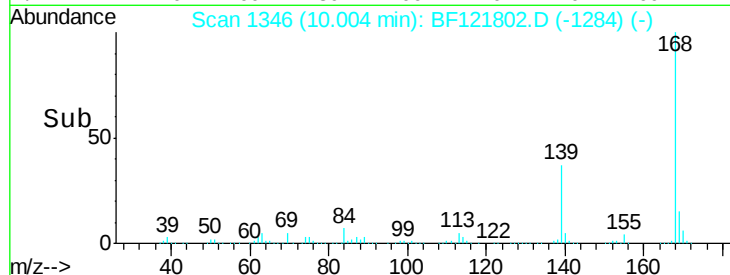
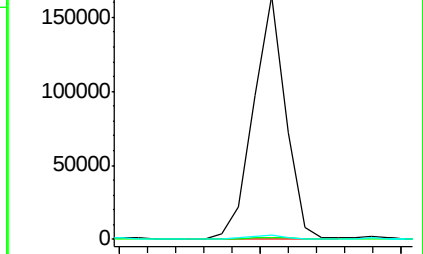
65 1.8 68.4 108.4#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#58

Fluorene

Concen: 30.251 ng

RT: 10.35 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BF121802.D

Acq: 2 Oct 2020 19:18

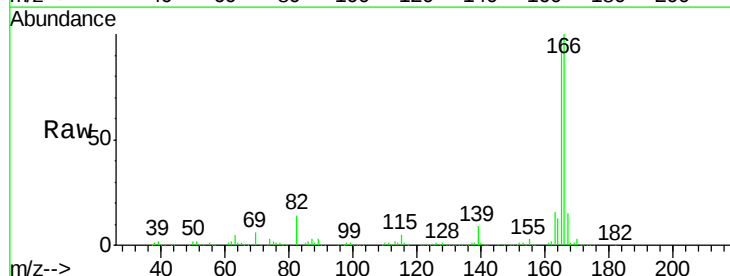
Tgt Ion:166 Resp: 453176

Ion Ratio Lower Upper

166 100

165 97.8 79.1 118.7

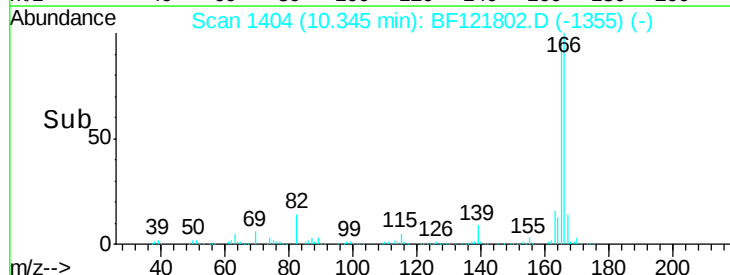
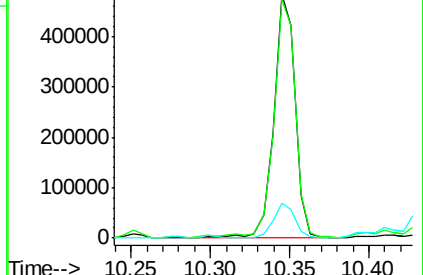
167 14.6 11.0 16.6

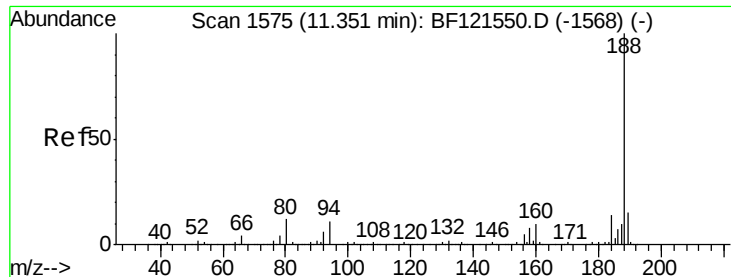


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

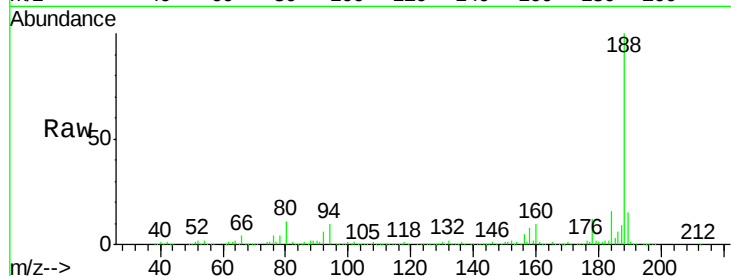




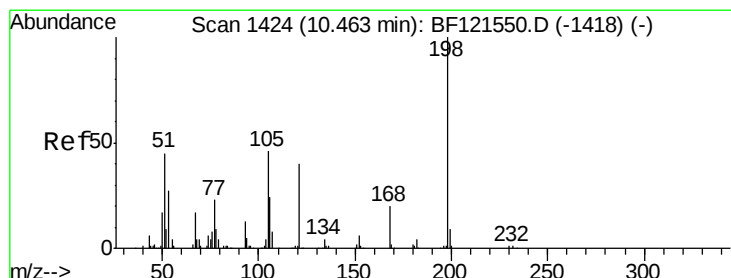
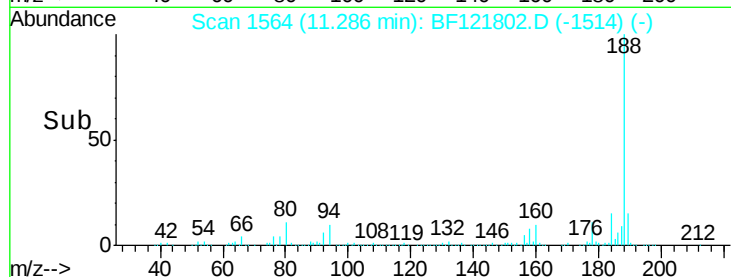
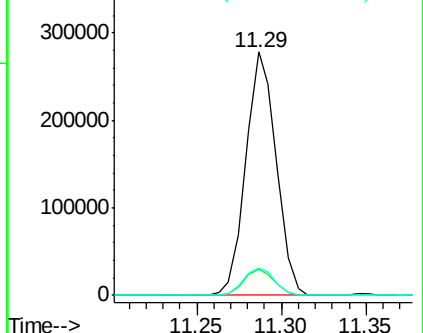
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF121802.D
Acq: 2 Oct 2020 19:18

Instrument :
BNA_F
ClientSampleId :
B-16(7-9)

Tot Ion:188 Resp: 348636
Ion Ratio Lower Upper
188 100
94 10.5 8.3 12.5
80 11.4 9.1 13.7

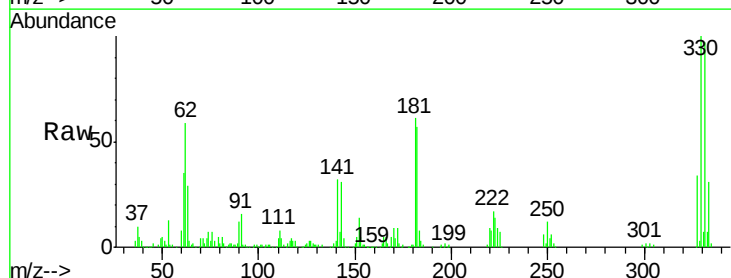


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

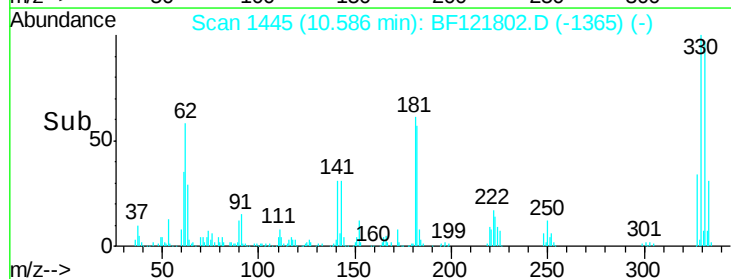
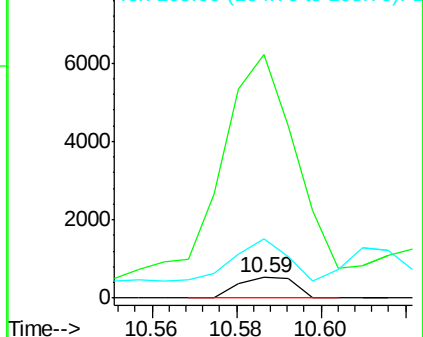


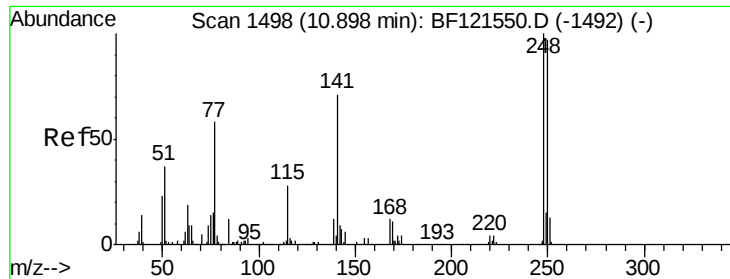
#65
4,6-Dinitro-2-methylphenol
Concen: 7.051 ng
RT: 10.59 min Scan# 1445
Delta R.T. 0.17 min
Lab File: BF121802.D
Acq: 2 Oct 2020 19:18

Tgt Ion:198 Resp: 497
Ion Ratio Lower Upper
198 100
51 1168.0 29.6 69.6#
105 282.0 24.4 64.4#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

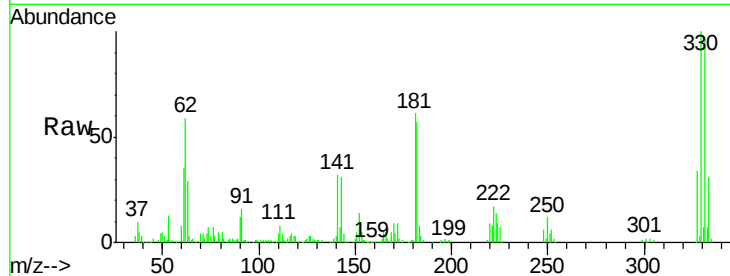




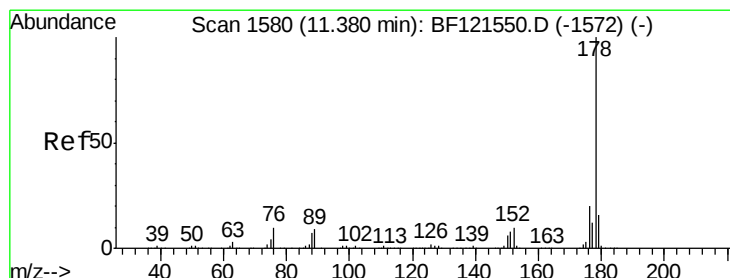
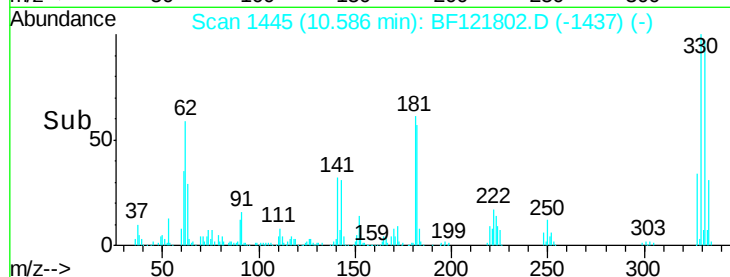
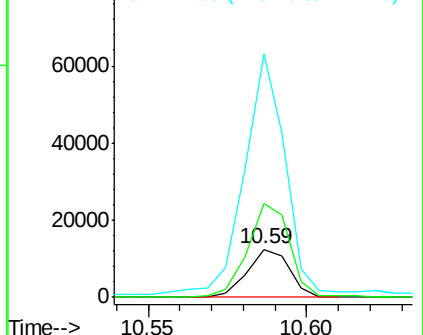
#67
 4-Bromophenyl-phenylether
 Concen: 2.865 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF121802.D
 Acq: 2 Oct 2020 19:18

Instrument :
 BNA_F
 ClientSampleId :
 B-16(7-9)

Tot Ion:248 Resp: 11371
 Ion Ratio Lower Upper
 248 100
 250 194.0 77.0 115.6#
 141 505.4 53.7 80.5#

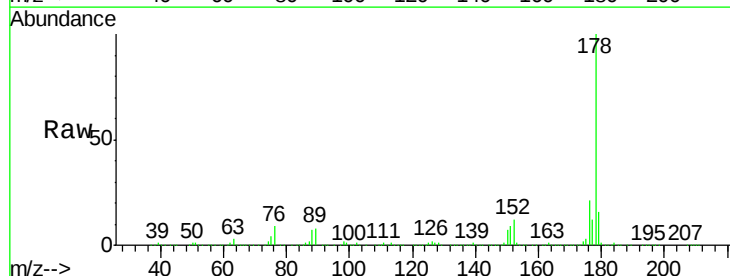


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

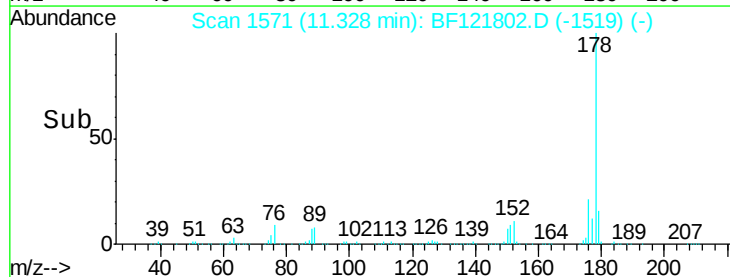
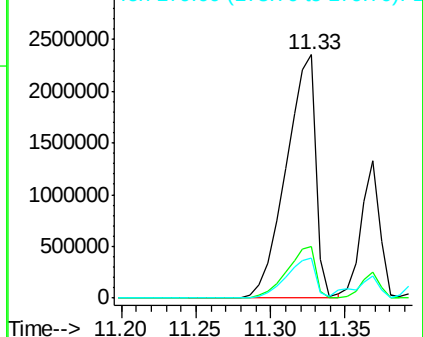


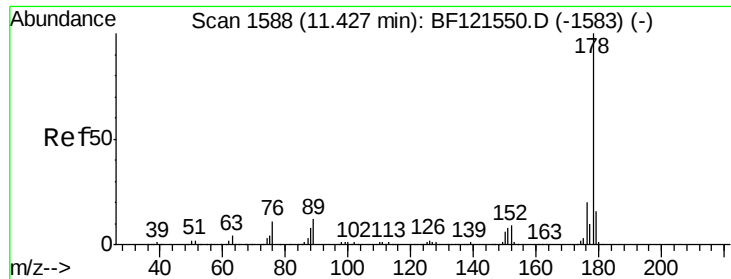
#71
 Phenanthrene
 Concen: 172.458 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: BF121802.D
 Acq: 2 Oct 2020 19:18

Tgt Ion:178 Resp: 3275864
 Ion Ratio Lower Upper
 178 100
 176 21.2 15.9 23.9
 179 16.2 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 57.396 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.00 min

Lab File: BF121802.D

Acq: 2 Oct 2020 19:18

Instrument :

BNA_F

ClientSampleId :

B-16(7-9)

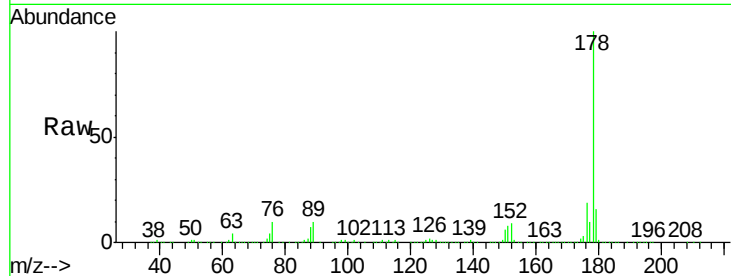
Tot Ion:178 Resp: 1125095

Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

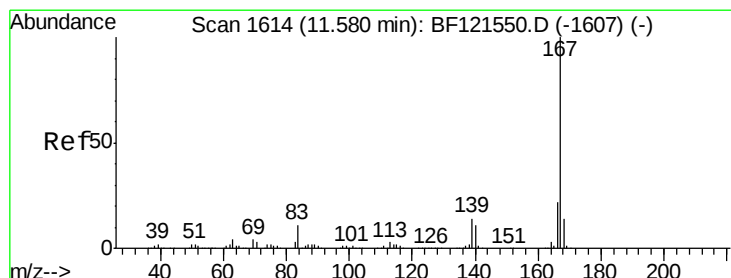
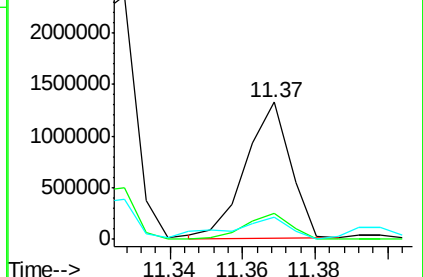
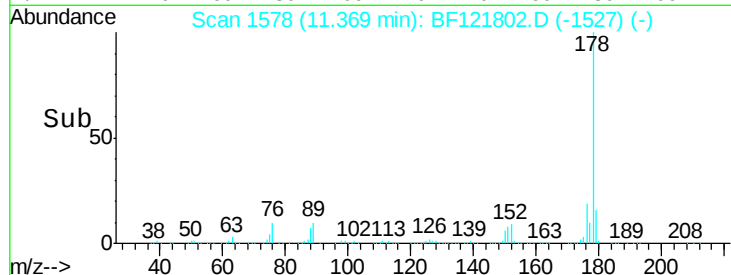
179 15.8 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 31.625 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: BF121802.D

Acq: 2 Oct 2020 19:18

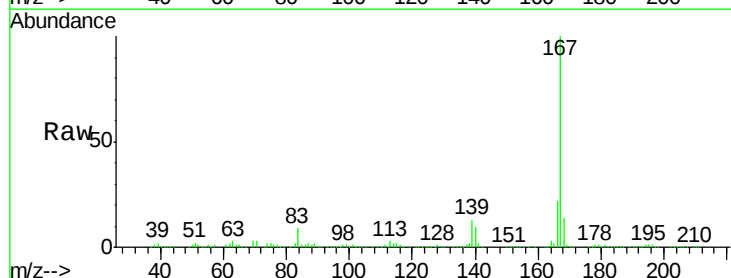
Tgt Ion:167 Resp: 559422

Ion Ratio Lower Upper

167 100

166 21.9 17.8 26.6

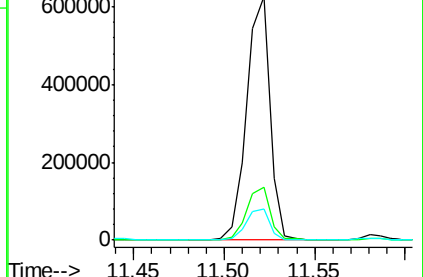
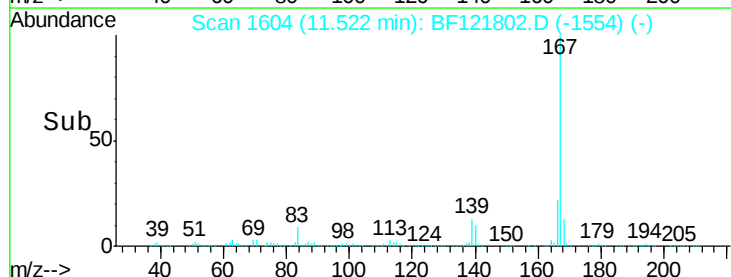
139 12.8 10.8 16.2

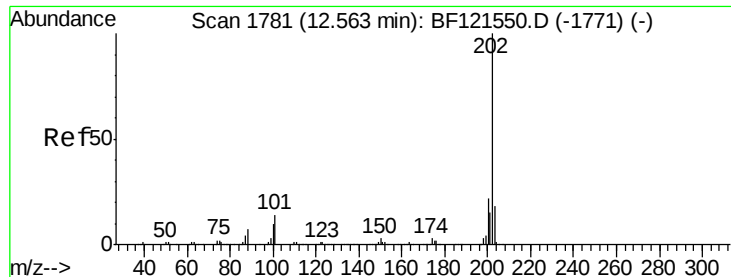


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 201.324 ng

RT: 12.52 min Scan# 1774

Delta R.T. 0.02 min

Lab File: BF121802.D

Acq: 2 Oct 2020 19:18

Instrument :

BNA_F

ClientSampleId :

B-16(7-9)

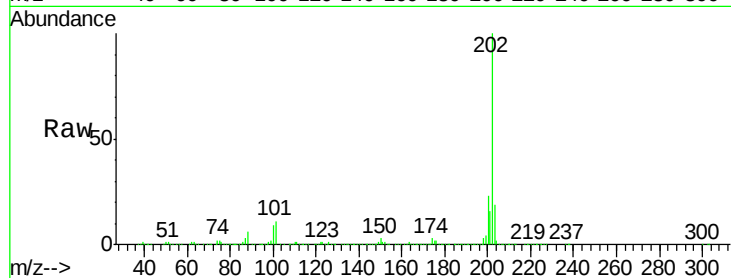
Tot Ion:202 Resp: 4082274

Ion Ratio Lower Upper

202 100

101 11.3 0.0 33.4

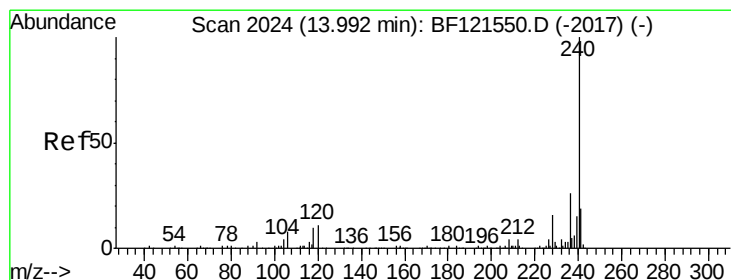
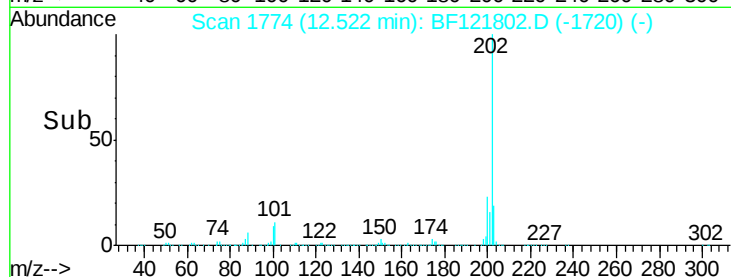
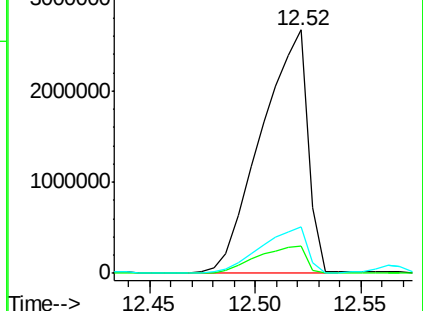
203 18.9 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.01 min

Lab File: BF121802.D

Acq: 2 Oct 2020 19:18

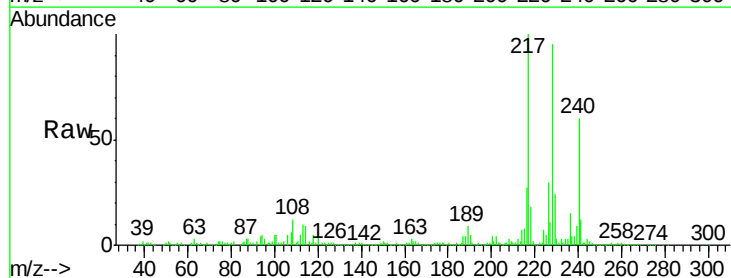
Tgt Ion:240 Resp: 238496

Ion Ratio Lower Upper

240 100

120 10.7 9.2 13.8

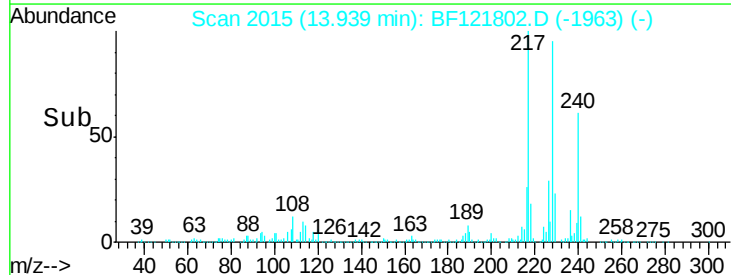
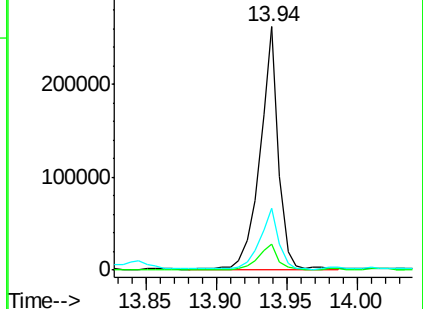
236 25.6 20.9 31.3

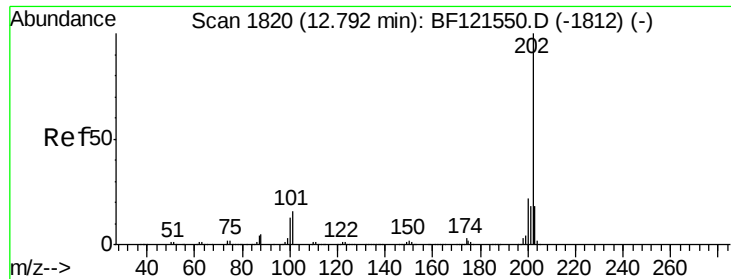


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

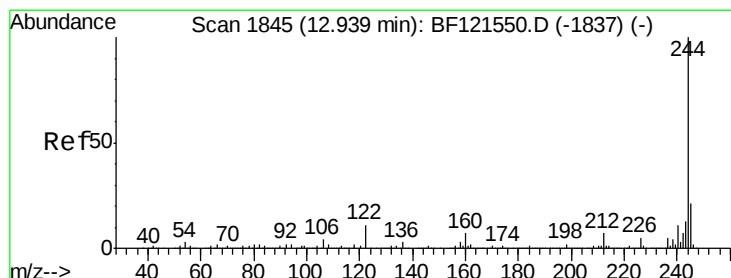
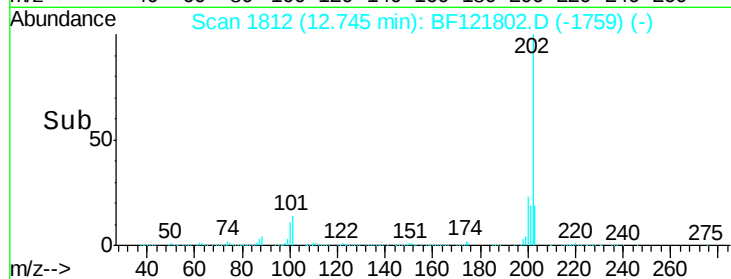
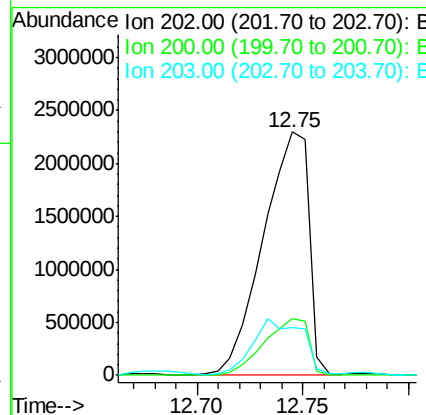
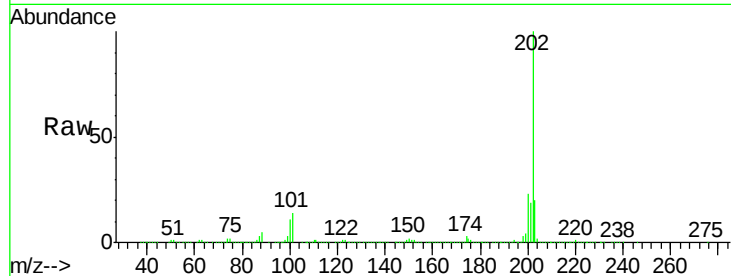




#78
Pvrene
Concen: 197.122 ng
RT: 12.75 min Scan# 1812
Delta R.T. 0.01 min
Lab File: BF121802.D
Acq: 2 Oct 2020 19:18

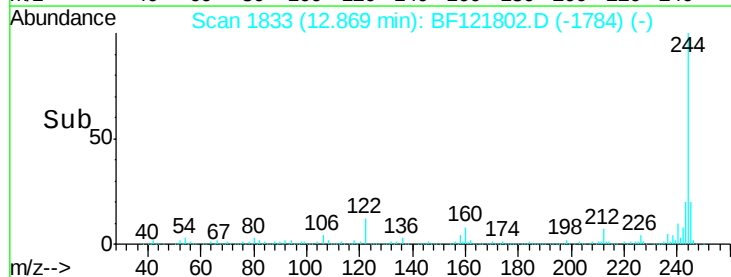
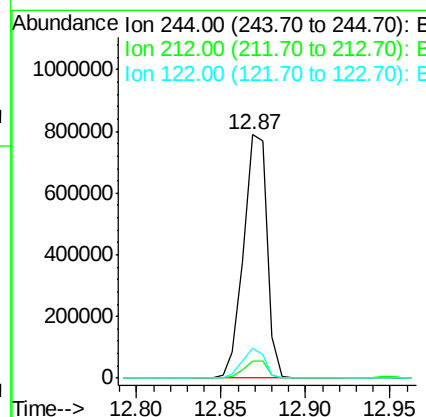
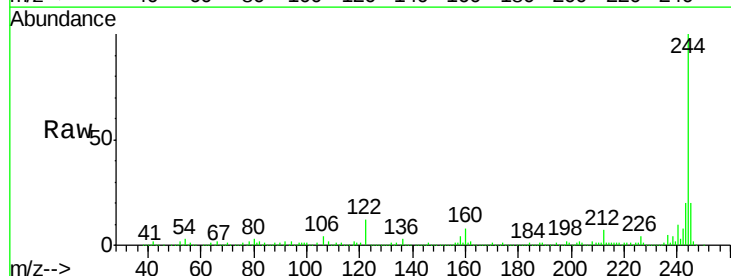
Instrument :
BNA_F
ClientSampleId :
B-16(7-9)

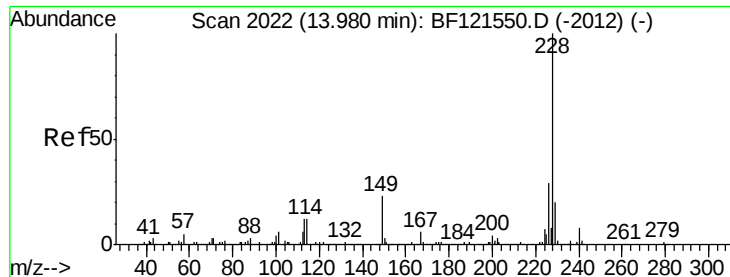
Tot Ion:202 Resp: 3434904
Ion Ratio Lower Upper
202 100
200 23.3 17.4 26.2
203 19.7 14.6 21.8



#79
Terphenyl-d14
Concen: 65.362 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF121802.D
Acq: 2 Oct 2020 19:18

Tgt Ion:244 Resp: 769460
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 12.1 8.1 12.1





#81

Benzo(a)anthracene

Concen: 155.136 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF121802.D

Acq: 2 Oct 2020 19:18

Instrument :

BNA_F

ClientSampleId :

B-16(7-9)

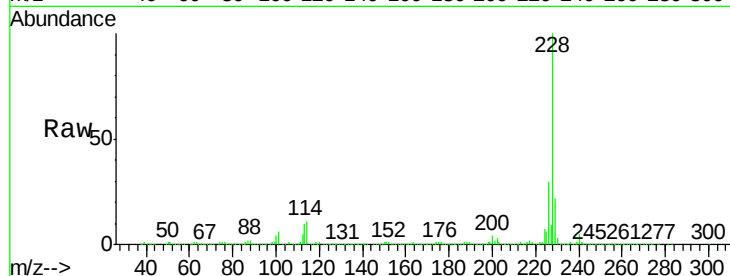
Tot Ion:228 Resp: 2340754

Ion Ratio Lower Upper

228 100

226 30.3 22.3 33.5

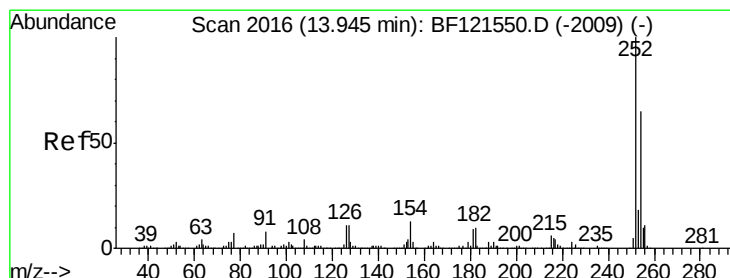
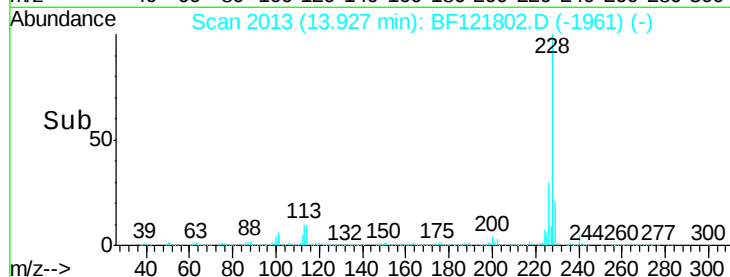
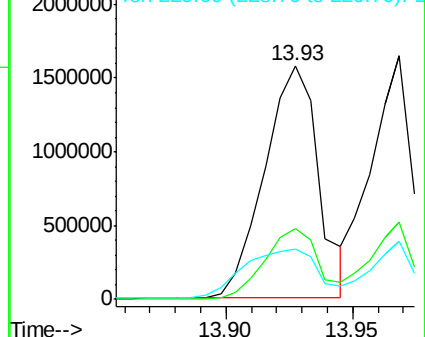
229 21.6 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 2.080 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.08 min

Lab File: BF121802.D

Acq: 2 Oct 2020 19:18

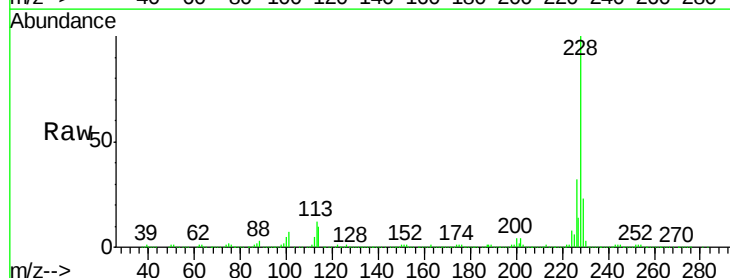
Tgt Ion:252 Resp: 12251

Ion Ratio Lower Upper

252 100

254 142.3 51.8 77.6#

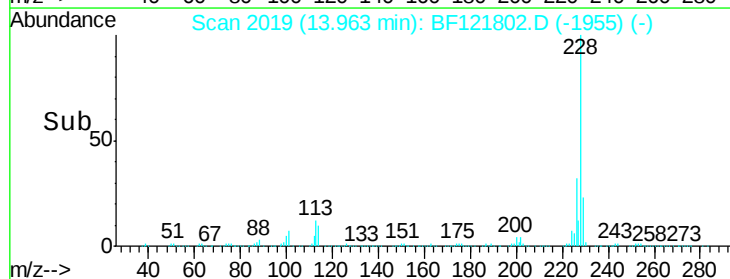
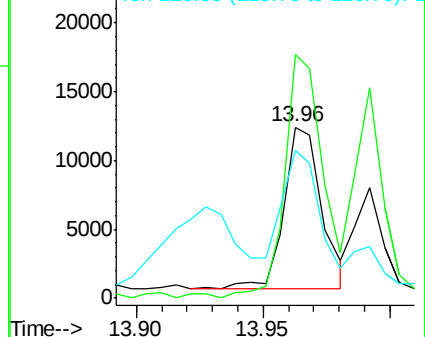
126 86.4 8.8 13.2#

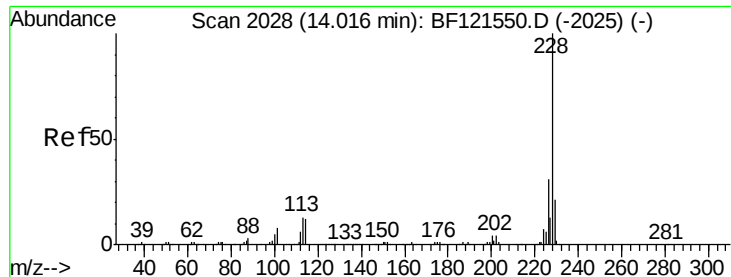


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

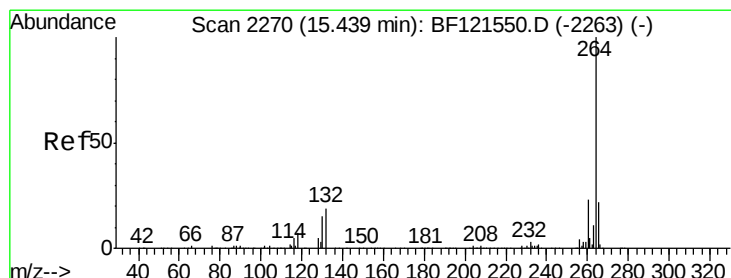
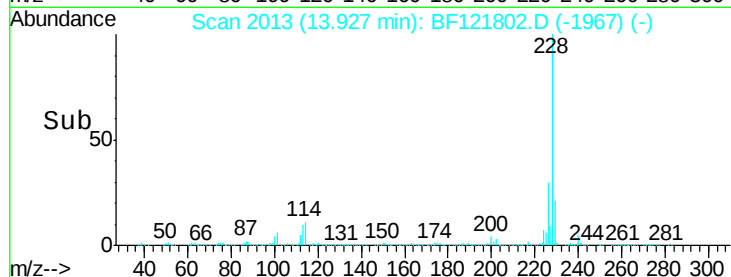
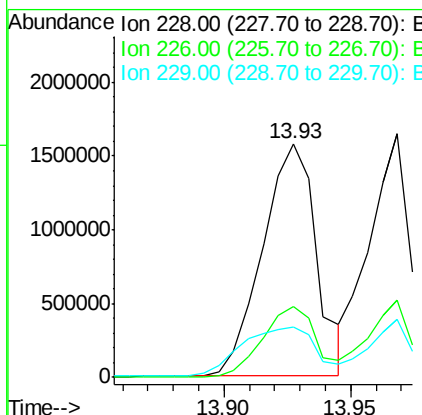
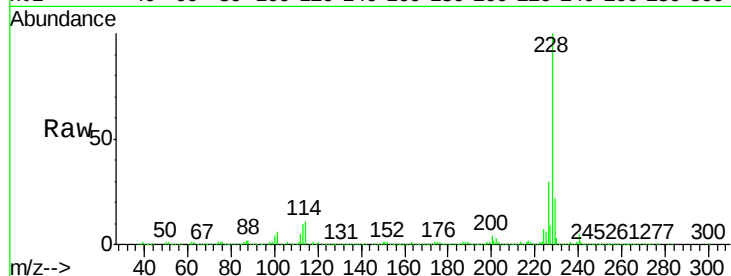




#83
Chrysene
Concen: 153.201 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.03 min
Lab File: BF121802.D
Acq: 2 Oct 2020 19:18

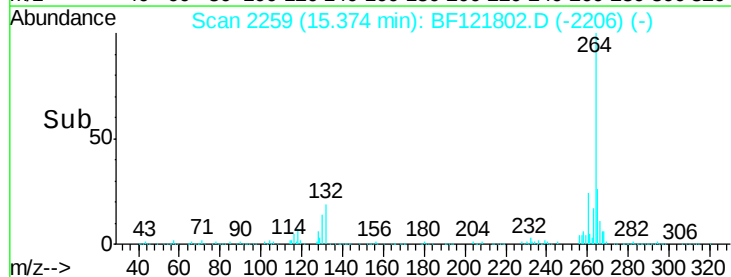
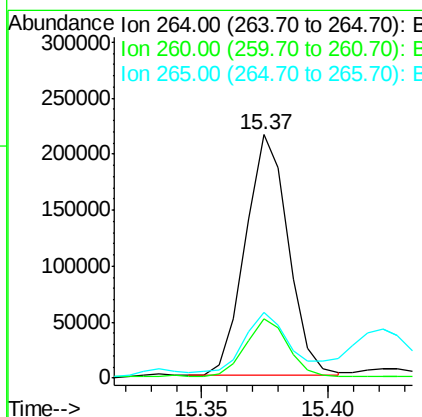
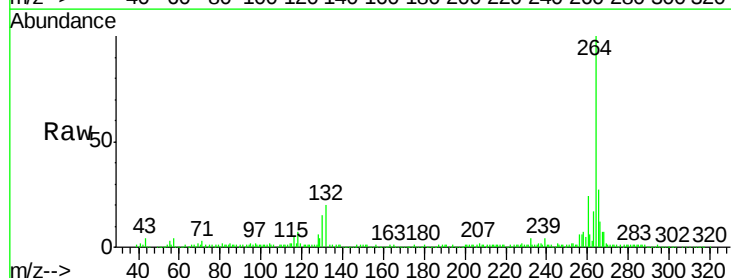
Instrument :
BNA_F
ClientSampleId :
B-16(7-9)

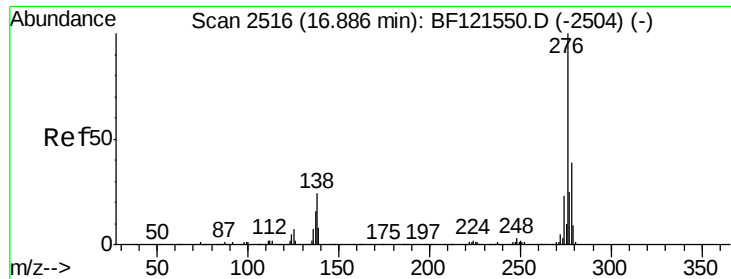
Tot Ion:228 Resp: 2340754
Ion Ratio Lower Upper
228 100
226 30.3 24.6 37.0
229 21.6 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF121802.D
Acq: 2 Oct 2020 19:18

Tgt Ion:264 Resp: 253917
Ion Ratio Lower Upper
264 100
260 24.3 18.7 28.1
265 26.9 17.3 25.9#

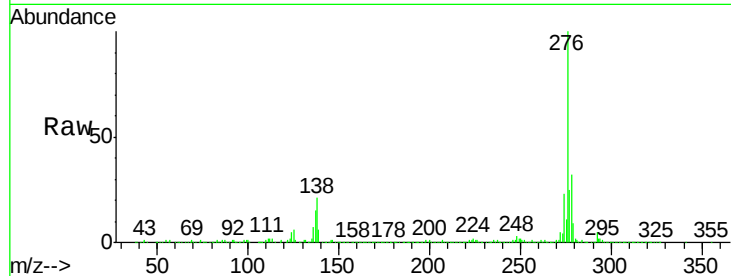




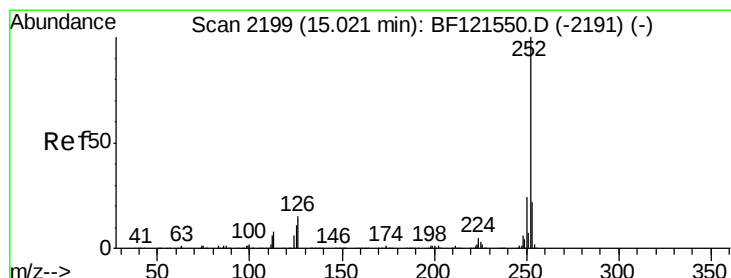
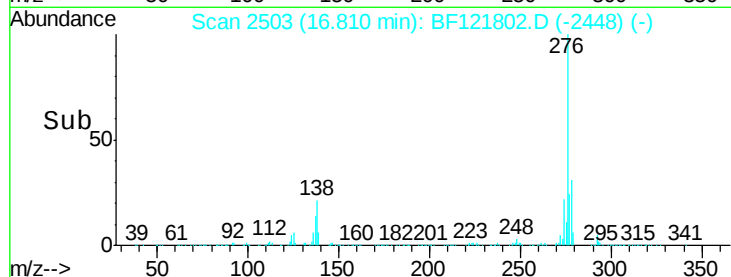
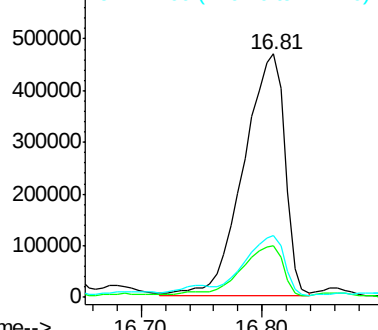
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 66.927 ng
 RT: 16.81 min Scan# 2503
 Delta R.T. 0.02 min
 Lab File: BF121802.D
 Acq: 2 Oct 2020 19:18

Instrument :
 BNA_F
 ClientSampleId :
 B-16(7-9)

Tot Ion:276 Resp: 1106701
 Ion Ratio Lower Upper
 276 100
 138 22.0 19.9 29.9
 277 23.8 20.4 30.6

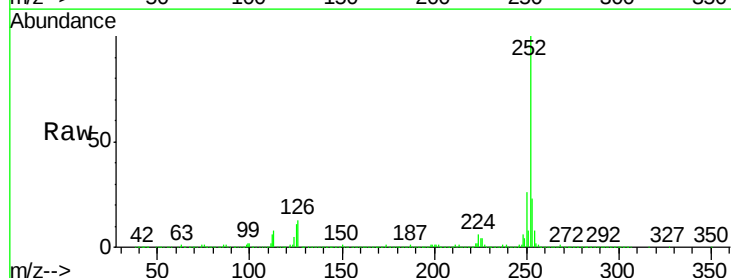


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

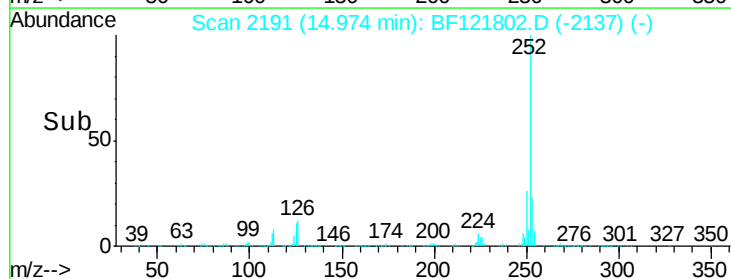
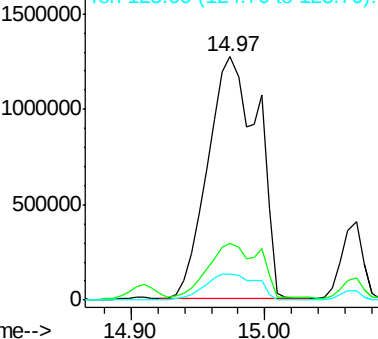


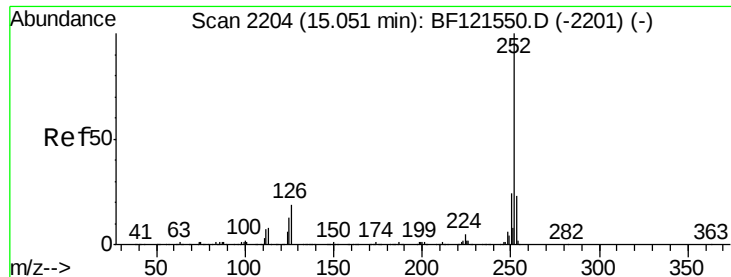
#88
 Benzo(b)fluoranthene
 Concen: 195.920 ng
 RT: 14.97 min Scan# 2191
 Delta R.T. 0.02 min
 Lab File: BF121802.D
 Acq: 2 Oct 2020 19:18

Tgt Ion:252 Resp: 3325661
 Ion Ratio Lower Upper
 252 100
 253 23.4 18.2 27.2
 125 10.8 8.0 12.0



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E

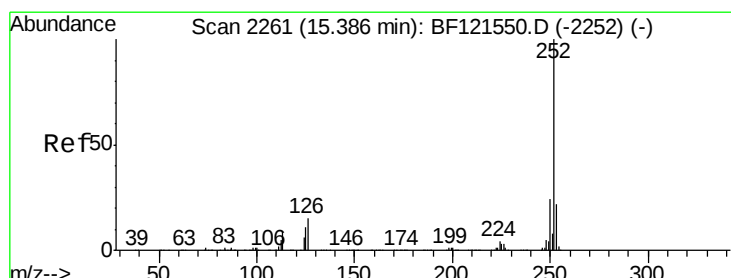
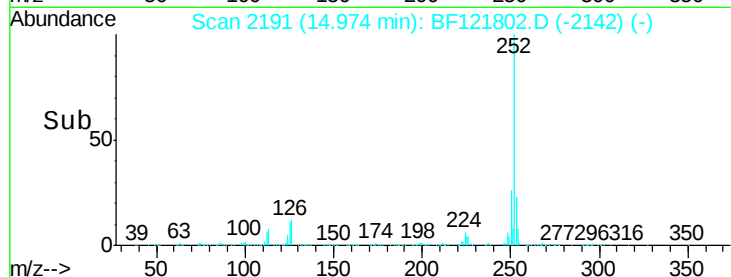
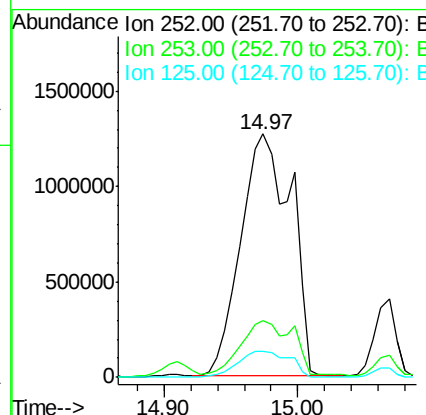
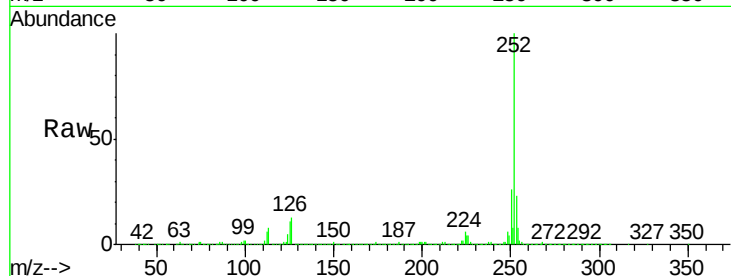




#89
Benzo(k)fluoranthene
Concen: 213.946 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF121802.D
Acq: 2 Oct 2020 19:18

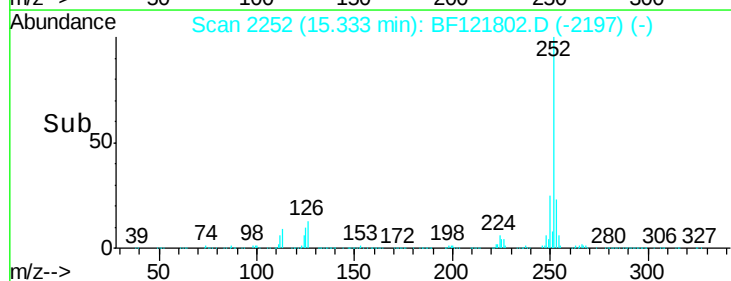
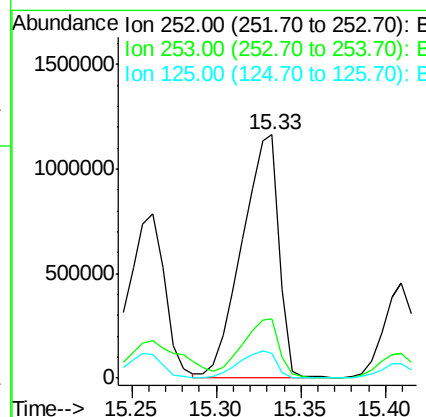
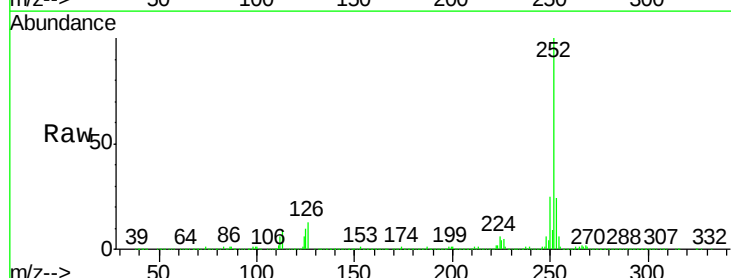
Instrument :
BNA_F
ClientSampleId :
B-16(7-9)

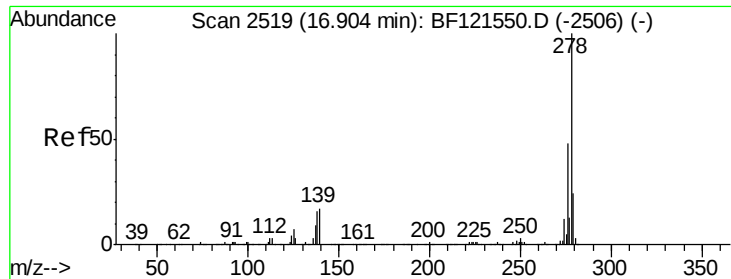
Tot Ion:252 Resp: 3325661
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 10.8 7.7 11.5



#90
Benzo(a)pyrene
Concen: 122.508 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.02 min
Lab File: BF121802.D
Acq: 2 Oct 2020 19:18

Tgt Ion:252 Resp: 1767668
Ion Ratio Lower Upper
252 100
253 24.1 17.3 25.9
125 10.2 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 20.754 ng

RT: 16.81 min Scan# 2503

Delta R.T. 0.01 min

Lab File: BF121802.D

Acq: 2 Oct 2020 19:18

Instrument :

BNA_F

ClientSampleId :

B-16(7-9)

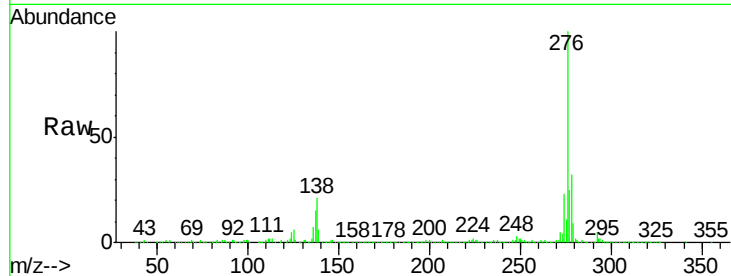
Tot Ion:278 Resp: 285677

Ion Ratio Lower Upper

278 100

139 17.9 13.0 19.4

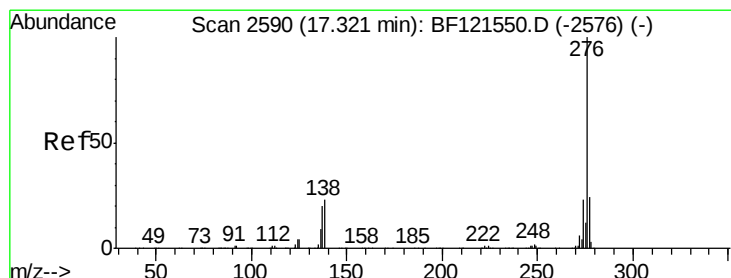
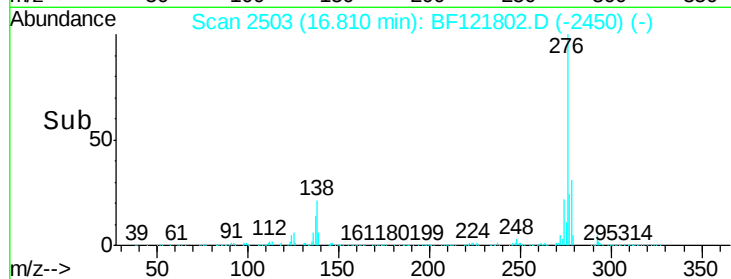
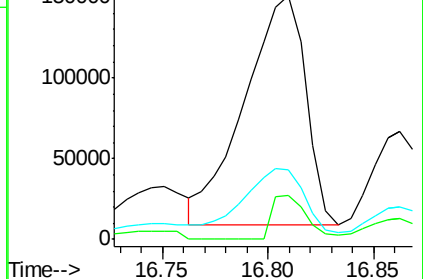
279 28.3 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 70.555 ng

RT: 17.24 min Scan# 2576

Delta R.T. 0.03 min

Lab File: BF121802.D

Acq: 2 Oct 2020 19:18

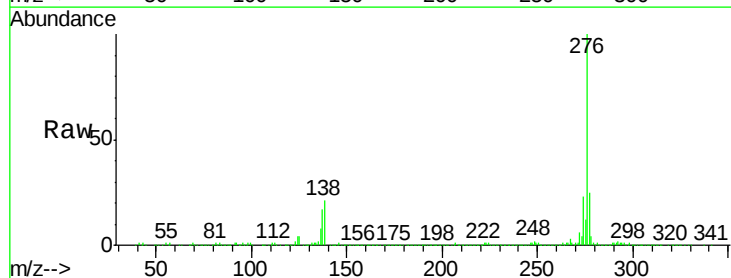
Tgt Ion:276 Resp: 954658

Ion Ratio Lower Upper

276 100

277 24.7 19.4 29.2

138 21.4 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

